

5SSO11480	Active	763724 Ronald R Rall	Certified
5SSO11480	Active	763733 Ronald R Rall	Certified
5SSO11480	Active	763746 Ronald R Rall	Certified
5SSO11480	Active	763750 Ronald R Rall	Certified
5SSO11480	Active	763752 Ronald R Rall	Certified
5SSO11480	Active	765853 Ronald R Rall	Certified
5SSO11480	Active	766999 Ronald R Rall	Certified
5SSO11480	Active	773528 Ronald R Rall	Certified
5SSO11480	Active	773529 Ronald R Rall	Certified
5SSO11480	Active	773533 Ronald R Rall	Certified
5SSO11480	Active	774671 Ronald R Rall	Certified
5SSO11480	Active	776702 Ronald R Rall	Certified
5SSO11480	Active	778133 Ronald R Rall	Certified
5SSO11480	Active	780774 Ronald R Rall	Certified
5SSO11480	Active	788603 Ronald R Rall	Certified
5SSO11480	Active	788606 Ronald R Rall	Certified
5SSO11480	Active	792356 Ron Rall	Certified
5SSO11480	Active	792357 Ron Rall	Certified
5SSO11480	Active	792363 Ron Rall	Certified
5SSO11480	Active	792942 Ronald R Rall	Certified
5SSO11480	Active	794586 Ronald R Rall	Certified
5SSO11480	Active	794596 Ronald R Rall	Certified
5SSO11482	Active	732695 Ron Rall	Certified
5SSO11482	Active	732704 Ron Rall	Certified
5SSO11482	Active	736982 Ronald R Rall	Certified
5SSO11482	Active	738232 Ronald R Rall	Certified
5SSO11482	Active	743976 RONALD R RALL	Certified
5SSO11482	Active	745113 Ronald R Rall	Certified
5SSO11482	Active	746070 Ronald R Rall	Certified
5SSO11482	Active	747073 Ronald R Rall	Certified
5SSO11482	Active	747074 Ronald R Rall	Certified
5SSO11482	Active	748861 Ronald R Rall	Certified
5SSO11482	Active	749753 Ronald R Rall	Certified
5SSO11482	Active	750826 Ronald R Rall	Certified
5SSO11482	Active	752031 Ronald R Rall	Certified
5SSO11482	Active	752032 Ronald R Rall	Certified
5SSO11482	Active	756477 Ronald R Rall	Certified
5SSO11482	Active	758205 Ronald R Rall	Certified
5SSO11482	Active	758960 Ronald R Rall	Certified
5SSO11482	Active	762234 Ronald R Rall	Certified
5SSO11482	Active	763546 Ronald R Rall	Certified
5SSO11482	Active	763563 Ronald R Rall	Certified
5SSO11482	Active	763575 Ronald R Rall	Certified
5SSO11482	Active	763588 Ronald R Rall	Certified
5SSO11482	Active	763599 Ronald R Rall	Certified
5SSO11482	Active	763602 Ronald R Rall	Certified
5SSO11482	Active	763606 Ronald R Rall	Certified
5SSO11482	Active	764927 Ronald R Rall	Certified
5SSO11482	Active	764930 Ronald R Rall	Certified
5SSO11482	Active	764931 Ronald R Rall	Certified
5SSO11482	Active	765865 Ronald R Rall	Certified
5SSO11482	Active	765868 Ronald R Rall	Certified
5SSO11482	Active	765906 Ronald R Rall	Certified
5SSO11482	Active	774664 Ronald R Rall	Certified
5SSO11482	Active	778130 Ronald R Rall	Certified

Utility Superintendent  
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Utility Superintendent  
Utility Superintendent

10:34am		118367
10:59am		923011
11:33am		190612
	11:40	168441
11:51am		118294
9:30 a.m.		536672
12:58 p.m.		968709
1:16 p.m.		903529
1:19 p.m.		199459
1:20 p.m.		964948
9:40 a.m.		114390
11:45 a.m.		691418
10:3 a.m..		894907
11:22 a.m.		934639
1:55 p.m.		271416
1:50 p.m.		167160
	108	549491
	125	568055
	248	840185
7:59 a.m.		572594
9:38 a.m.		190298
10:28 a.m.		201166
2:17 p.m.		126647
2:15 p.m.		525719
1:15 p.m.		881214
2:45 p.m.		296643
8:30 A.M.		660628
3:26 P.M.		396098
	1:03	397460
8:42 a.m.		401491
8:38 a.m.		947879
	920	450285
8:45 a.m.		699659
10:55 a.m.		550974
2:20 p.m.		100390
2:26 p.m.		919034
2:10 p.m.		331115
1:02 p.m.		667632
	10:25	321366
9:56 a.m.		972925
	8:46	971562
	8:45	779860
	8:44	362811
	8:42	176132
12:17pm		213071
12:34pm		865906
12:52pm		611743
2:12 p.m.		901674
2:14 P.M.		229200
2:16 p.m.		382817
9:30 a.m.		462372
9:35 a.m.		985064
9:38 a.m.		620033
9:35 a.m.		540791
10:00 a.m.		982170

25-Feb-11	2/25/2011	25-Feb-11	2/25/2011
25-Feb-11	2/25/2011	25-Feb-11	2/25/2011
25-Feb-11	2/25/2011	25-Feb-11	2/25/2011
25-Feb-11	2/25/2011	25-Feb-11	2/25/2011
25-Feb-11	2/25/2011	25-Feb-11	2/25/2011
27-Apr-11	4/27/2011	3-May-11	5/3/2011
31-May-11	5/31/2011	31-May-11	5/31/2011
29-Nov-11	11/29/2011	29-Nov-11	11/29/2011
29-Nov-11	11/29/2011	29-Nov-11	11/29/2011
29-Nov-11	11/29/2011	29-Nov-11	11/29/2011
23-Dec-11	12/23/2011	23-Dec-11	12/23/2011
31-Jan-12	1/31/2012	31-Jan-12	1/31/2012
29-Feb-12	2/29/2012	29-Feb-12	2/29/2012
30-Apr-12	4/30/2012	30-Apr-12	4/30/2012
30-Nov-12	11/30/2012	30-Nov-12	11/30/2012
30-Nov-12	11/30/2012	30-Nov-12	11/30/2012
5-Mar-13	3/5/2013	5-Mar-13	3/5/2013
5-Mar-13	3/5/2013	5-Mar-13	3/5/2013
5-Mar-13	3/5/2013	5-Mar-13	3/5/2013
26-Mar-13	3/26/2013	27-Mar-13	3/27/2013
30-May-13	5/30/2013	30-May-13	5/30/2013
30-May-13	5/30/2013	30-May-13	5/30/2013
28-Jan-09		28-Jan-09	1/28/2009
28-Jan-09		28-Jan-09	1/28/2009
30-Apr-09		30-Apr-09	4/30/2009
29-May-09		29-May-09	5/29/2009
31-Aug-09		1-Sep-09	9/1/2009
28-Sep-09		29-Sep-09	9/29/2009
26-Oct-09		26-Oct-09	10/26/2009
25-Nov-09		23-Dec-10	12/23/2010
25-Nov-09		23-Dec-10	12/23/2010
27-Jan-10		29-Jan-10	1/29/2010
24-Feb-10		25-Feb-10	2/25/2010
22-Mar-10		22-Mar-10	3/22/2010
29-Apr-10		30-Apr-10	4/30/2010
29-Apr-10		30-Apr-10	4/30/2010
30-Aug-10	8/30/2010	30-Aug-10	8/30/2010
28-Oct-10	10/28/2010	28-Oct-10	10/28/2010
30-Nov-10	11/30/2010	2-Dec-10	12/2/2010
31-Jan-11	1/31/2011	1-Feb-11	2/1/2011
24-Feb-11	2/24/2011	1-Apr-11	4/1/2011
24-Feb-11	2/24/2011	1-Apr-11	4/1/2011
24-Feb-11	2/24/2011	1-Apr-11	4/1/2011
24-Feb-11	2/24/2011	1-Apr-11	4/1/2011
24-Feb-11	2/24/2011	24-Feb-11	2/24/2011
24-Feb-11	2/24/2011	24-Feb-11	2/24/2011
24-Feb-11	2/24/2011	24-Feb-11	2/24/2011
30-Mar-11	3/30/2011	31-Mar-11	3/31/2011
30-Mar-11	3/30/2011	31-Mar-11	3/31/2011
30-Mar-11	3/30/2011	31-Mar-11	3/31/2011
28-Apr-11	4/28/2011	3-May-11	5/3/2011
28-Apr-11	4/28/2011	3-May-11	5/3/2011
28-Apr-11	4/28/2011	3-May-11	5/3/2011
23-Dec-11	12/23/2011	23-Dec-11	12/23/2011
29-Feb-12	2/29/2012	29-Feb-12	2/29/2012



Category 3	10	0
Category 3	10	0
Category 3	5	0
Category 3	25	0
Category 3	5	0
Category 3	10	0
Category 3	5	0
Category 3	25	0
Category 3	5	0
Category 3	100	0
Category 3	2	0
Category 3	25	0
Category 3	10	0
Category 3	40	0
Category 3	30	10
Category 3	50	8
Category 3	25	0
Category 3	220	0
Category 3	40	0
Category 3	10	0
Category 3	15	0
Category 3	20	0
Category 3	30	30
Category 3	15	15
Category 3	4	4
Category 3	10	0
Category 3	10	10
Category 3	20	0
Category 3	90	0
Category 3	10	0
Category 3	25	0
Category 3	10	0
Category 3	20	0
Category 3	80	0
Category 3	30	0
Category 3	10	0
Category 3	15	15
Category 3	20	0
Category 3	2	0
Category 3	20	0
Category 3	20	0
Category 3	25	0
Category 3	25	0
Category 3	20	0
Category 3	25	0
Category 3	100	0
Category 3	20	0
Category 3	20	0
Category 3	240	0
Category 3	240	0
Category 3	15	0
Category 3	25	0
Category 3	75	0
Category 3	5	0
Category 3	9	0

0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	Yes
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0 No	No
0 No	Yes
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0 No	Yes
0 No	Yes
0 No	Yes
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	Yes

[illegible]

Clean out at 3918 Dennis  
Clean out at 3535 Mission  
Clean out at 3329 Webster  
Lamp Hole at 2832 Calariva  
Clean out at 4323 Yacht Harbor  
Lamp hole at 3615 Deovan  
Lamp hole at 3615 De Ovan  
3711 Alpine  
1941 Euclid  
3506 Mendocino  
3835 Ryde  
6291 Calariva  
1921 Euclid  
Riser on Marine for 3302 Margaret  
Riser at 3248 Mendocino  
Riser at 1905 Inman  
3943 Nina Ct  
Lamp hole at 2455 Sonoma  
Riser at 3318 Clement  
2746 De Ovan  
3302 Margaret  
2455 Sonoma  
Manhole on Greeley  
Lamphole at 2475 Benjamin Holt Dr.  
2475 Benjamin Holt  
Clean out  
Manhole on Porter  
Manhole on Porter Way north of Swain Road  
Manhole on Greeley  
2438 Swain - Clean out  
Manhole on Greeley BTWN Pershing and Vicksburg  
2254 Swain RD  
Lamp hole at 6012 Swain Ct D  
Lamphole on Belmont Place, between Ben Holt and Sheridan  
Manhole on Greeley  
1230 West Douglas  
Manhole on Porter  
Lamphole at 6311 Belmont  
Lower Lateral at 2316 Swain  
Riser at 1238 Douglas  
Lamp Hole at 2631 Sheridan  
Lamp Hole at 2884 Ben Holt  
Lamp Hole at 6311 Belmont  
Riser at 1141 Cameron  
Clean Out at 2817 Sheridan  
Lamp Hole at 2475 Ben Holt  
Man hole on Greeley  
Lamphole at 2475 Benjamin Holt  
Manhole on Vickburg btwn Calhoun and Douglas  
Manhole on Vicksburg btwn Rutledge and Calhoun  
Lamphole on Belmont BTWN Ben Holt and Sheridan  
Lamphole on Belmont BTWN Ben Holt and Sheridan  
Manhole on Porter north of Swain  
2405 Swain  
2254 Swain

37.978321	-121.334963 San Joaquin
37.9755899	-121.326838 San Joaquin
37.9713674	-121.3348356 San Joaquin
37.9577016	-121.2907796 San Joaquin
37.966816	-121.363965 San Joaquin
37.9715485	-121.3492953 San Joaquin
37.9715485	-121.34929 San Joaquin
38.0056327	-121.2028757 San Joaquin
37.9741083	-121.3267429 San Joaquin
37.964823	-121.350652 San Joaquin
37.972317	-121.3392213 San Joaquin
37.9763254	-121.3436695 San Joaquin
37.9742328	-121.3264188 San Joaquin
37.9729778	-121.327412 San Joaquin
37.9658488	-121.3467211 San Joaquin
37.976022	-121.327006 San Joaquin
37.979242	-121.33395 San Joaquin
37.970462	-121.334927 San Joaquin
37.96786	-121.348715 San Joaquin
37.974192	-121.341624 San Joaquin
37.973269	-121.327334 San Joaquin
37.970462	-121.334927 San Joaquin
38.012639	121.329297 San Joaquin
38.010242	121.338533 San Joaquin
38.010242	-121.338533 San Joaquin
38.000115	-121.341458 San Joaquin
38.000318	-121.344595 San Joaquin
38.000318	-121.34459 San Joaquin
38.012639	-121.329297 San Joaquin
38.000119	-121.341489 San Joaquin
38.068194	-121.329278 San Joaquin
37.999603	-121.33852 San Joaquin
38.000183	-121.338017 San Joaquin
38.00472	-121.34334 San Joaquin
38.068194	-121.329278 San Joaquin
38.005785	-121.326392 San Joaquin
38.000318	-121.34459 San Joaquin
38.001776	-121.342455 San Joaquin
37.999625	-121.339351 San Joaquin
38.005721	-121.326558 San Joaquin
38.0042312	-121.3452977 San Joaquin
38.004572	-121.349481 San Joaquin
38.001776	-121.342455 San Joaquin
38.011955	-121.326861 San Joaquin
38.0042592	-121.3482248 San Joaquin
38.005332	-121.343486 San Joaquin
38.012909	-121.328927 San Joaquin
38.00508	-121.34344 San Joaquin
38.00615	-121.32747 San Joaquin
38.00688	-121.32773 San Joaquin
38.004809	-121.343636 San Joaquin
38.004809	-121.343636 San Joaquin
38.000318	-121.34459 San Joaquin
38.000392	-121.340691 San Joaquin
37.999601	-121.338518 San Joaquin

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The following items are only estimates due to the reporting limitations of the old maintenance call reporting forms used be  
The following items are only estimates due to the reporting limitations of the old maintenance call reporting forms used be  
The following items are only estimates due to the reporting limitations of the old maintenance call reporting forms used be  
The following items are only estimates due to the reporting limitations of the old maintenance call reporting forms used be  
The following items are only estimates due to the reporting limitations of the old maintenance call reporting forms used be

Manhole on Greeley between Vicksburg and Pershing  
Lamphole at 2475 Benjamin Holt Dr.

Manhole on Greeley between Vicksburg and Pershing

The following items are only estimates due to the reporting limitations of the old maintenance call reporting forms used be  
The following items are only estimates due to the reporting limitations of the old maintenance call reporting forms used be  
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The following items are only estimates due to the reporting limitations of the old maintenance call reporting forms used be

The following items are only estimates due to the reporting limitations of the old maintenance call reporting forms used be  
The following items are only estimates due to the reporting limitations of the old maintenance call reporting forms used be

efore the implementation of our SSMP; &  
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efore the implementation of our SSMP; &  
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efore the implementation of our SSMP; &  
efore the implementation of our SSMP; &



Other sewer system structure  
Other sewer system structure  
Other sewer system structure  
Other sewer system structure  
Other sewer system structure  
Other sewer system structure  
Other sewer system structure  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Other sewer system structure  
Other sewer system structure  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Manhole  
Gravity sewer  
Gravity sewer  
Manhole  
Other sewer system structure  
Gravity sewer  
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Gravity sewer  
Gravity sewer  
Gravity sewer  
Manhole  
Other sewer system structure  
Manhole  
Manhole  
Other sewer system structure  
Other sewer system structure  
Manhole  
Gravity sewer  
Other sewer system structure

Lower Lateral  
Lower Lateral  
Lower Lateral  
Lamp Hole  
Lower Lateral  
Lamphole  
Lamp hole

Lower lateral  
Lower Lateral

Clean out

Pick hole in a Lamphole.

Service connection riser.

Clean out

Lamp hole  
Lamphole

Lower Lateral

Lamphole  
Lower Lateral, clean out

Lamp Hole  
Lamp Hole  
Lamp Hole  
Lower Clean Out  
Clean out  
Lamp Hole

Lamphole

Lamphole  
Lamphole

Lamphole

Street/curb and gutter;Unpaved surface  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Separate storm drain;Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Separate storm drain;Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Storm drain;Street/curb and gutter  
Storm drain  
Street/curb and gutter  
Storm drain  
Street/curb and gutter  
Storm drain  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Storm drain  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Separate storm drain;Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Separate storm drain  
Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Separate storm drain;Street/curb and gutter



6/4/2008 8:00	6/4/2008 8:00	6/4/2008 8:15	6/4/2008 8:35
3/17/2008 14:30	3/17/2008 14:30	3/17/2008 14:45	3/17/2008 15:05
2/13/2008 16:30	2/13/2008 16:30	2/13/2008 16:45	2/13/2008 16:45
1/23/2008 12:09	1/23/2008 12:09	1/23/2008 12:24	1/23/2008 12:49
11/23/2007 11:00	11/23/2007 11:00	11/23/2007 11:15	11/23/2007 11:35
3/29/2011 0:00	3/29/2011 8:50	3/29/2011 9:25	3/29/2011 11:45
4/9/2011 0:00	4/9/2011 13:00	4/9/2011 13:15	4/9/2011 13:45
10/3/2011 9:30	10/3/2011 10:07	10/3/2011 10:22	10/3/2011 11:15
10/22/2011 9:45	10/22/2011 9:45	10/22/2011 10:05	10/22/2011 10:25
10/25/2011 9:30	10/25/2011 9:30	10/25/2011 9:45	10/25/2011 10:15
11/10/2011 15:00	11/10/2011 15:00	11/10/2011 16:00	11/10/2011 17:00
12/11/2011 6:00	12/11/2011 6:18	12/11/2011 6:45	12/11/2011 7:00
1/4/2012 10:10	1/4/2012 10:10	1/4/2012 10:15	1/4/2012 10:20
3/3/2012 9:10	3/3/2012 9:30	3/3/2012 10:10	3/3/2012 10:25
10/29/2012 10:05	10/29/2012 10:10	10/29/2012 10:25	10/29/2012 10:55
10/29/2012 10:52	10/29/2012 10:52	10/29/2012 11:22	10/29/2012 11:42
1/13/2013 15:00	1/13/2013 15:00	1/13/2013 15:30	1/13/2013 15:35
1/22/2013 14:30	1/22/2013 14:00	1/22/2013 15:00	1/22/2013 18:30
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4/5/2013 11:50	4/5/2013 11:58	4/5/2013 12:30	4/5/2013 13:00
12/4/2008 9:00	12/4/2008 9:00	12/4/2008 9:05	12/4/2008 9:20
12/17/2008 9:15	12/17/2008 9:15	12/17/2008 9:20	12/17/2008 9:30
3/17/2009 12:04	3/17/2009 12:04	3/17/2009 12:15	3/17/2009 12:20
4/16/2009 8:38	4/16/2009 8:38	4/16/2009 8:50	4/16/2009 9:15
7/23/2009 21:00	7/23/2009 21:00	7/23/2009 21:10	7/23/2009 23:00
8/11/2009 9:35	8/11/2009 9:45	8/11/2009 9:45	8/11/2009 10:05
9/12/2009 10:30	9/12/2009 10:30	9/12/2009 12:00	9/12/2009 12:05
10/1/2009 13:35	10/1/2009 13:35	10/1/2009 13:45	10/1/2009 14:00
10/20/2009 10:30	10/20/2009 10:30	10/20/2009 10:50	10/20/2009 11:45
12/8/2009 11:00	12/8/2009 11:00	12/8/2009 11:29	12/8/2009 11:35
1/12/2010 20:30	1/12/2010 20:30	1/12/2010 20:40	1/12/2010 21:00
2/4/2010 8:00	2/4/2010 8:00	2/4/2010 8:00	2/4/2010 8:20
3/6/2010 7:20	3/6/2010 7:20	3/6/2010 7:55	3/6/2010 8:15
3/2/2010 14:32	3/2/2010 14:32	3/2/2010 14:45	3/2/2010 15:00
7/12/2010 0:00	7/12/2010 10:20	7/12/2010 10:25	7/12/2010 10:40
9/12/2010 0:00	9/12/2010 20:30	9/12/2010 21:15	9/12/2010 22:00
10/30/2010 0:00	10/30/2010 11:50	10/30/2010 12:00	10/30/2010 12:10
12/28/2010 0:00	12/28/2010 9:40	12/28/2010 10:00	12/28/2010 10:10
7/6/2008 13:00	7/6/2008 13:00	7/6/2008 13:25	7/6/2008 13:55
2/27/2008 11:11	2/27/2008 11:11	2/27/2008 11:36	2/27/2008 12:06
2/10/2008 11:25	2/10/2008 11:25	2/10/2008 11:40	2/10/2008 12:10
12/30/2007 11:50	12/30/2007 11:50	12/30/2007 12:05	12/30/2007 12:35
12/23/2007 9:15	12/23/2007 9:15	12/23/2007 9:30	12/23/2007 9:30
12/8/2007 12:16	12/8/2007 12:16	12/8/2007 12:26	12/8/2007 12:46
11/21/2007 13:00	11/21/2007 13:00	11/21/2007 13:15	11/21/2007 13:30
2/6/2011 0:00	2/6/2011 10:00	2/6/2011 10:30	2/6/2011 11:30
2/17/2011 0:00	2/17/2011 17:00	2/17/2011 17:30	2/17/2011 19:00
2/17/2011 0:00	2/17/2011 17:00	2/17/2011 17:30	2/17/2011 19:00
3/27/2011 0:00	3/27/2011 15:53	3/27/2011 15:53	3/27/2011 16:40
3/12/2011 0:00	3/12/2011 10:00	3/12/2011 10:23	3/12/2011 11:16
3/17/2011 0:00	3/17/2011 14:30	3/17/2011 14:40	3/17/2011 15:05
11/22/2011 13:58	11/22/2011 13:58	11/22/2011 13:58	11/22/2011 13:58
1/17/2012 6:40	1/17/2012 9:18	1/17/2012 9:25	1/17/2012 9:40

Debris-General  
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Grease deposition (FOG)  
Root intrusion  
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Debris-General  
Root intrusion  
Root intrusion  
Debris-Rags  
Debris-General  
Debris-General  
Debris-General  
Pipe structural problem/failure  
Root intrusion  
Pump station failure  
Debris-General  
Debris-General  
Grease deposition (FOG)  
Grease deposition (FOG)  
Debris-General  
Debris-General  
Root intrusion  
Debris-General  
Grease deposition (FOG)

Clean out repaired.

Pump Station returned to normal operation.

Lower Lateral  
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Cleaned up area and disposed of debris.  
Cleaned-up area and disposed of debris.  
Cleaned up area and disposed of debris.  
Cleaned affected area and storm system.

Cleaned up area around riser and disposed of debris.  
Cleaned up area around lateral and disposed of debris.

UMD employees restored flow and cleaned up area. The following day UMD personnel returned and vacuum cleaned the  
Hydro-vac cleaned storm catch basin, connecting manhole at Vivckburg and Greely, and 1000' of 15" storm line to the so  
Used sand plastic barriers to keep sewage from entering storm drain.

UMD personnel noticed SSO, responded and rectified.

Cleaned unpaved area around lamphole and disposed of debris.

Cleaned effected catch basins and storm line.

Cleaned area and disposed of debris.



































5SSO11482	Active	779290 Ron R Rall	Certified
5SSO11482	Active	780767 Ronald R Rall	Certified
5SSO11482	Active	782734 Ron Rall	Certified
5SSO11482	Active	786737 Ronald R Rall	Certified
5SSO11482	Active	787714 Ronald R Rall	Certified
5SSO11482	Active	792366 ron Rall	Certified
5SSO11482	Active	793736 Ronald R Rall	Certified
5SSO11483	Active	734338 Ronald R Rall	Certified
5SSO11483	Active	749748 Ronald R Rall	Certified
5SSO11483	Active	763757 Ronald R Rall	Certified
5SSO11483	Active	771585 Ronald R. Rall	Certified
5SSO11484	Active	763754 Ronald R Rall	Certified
5SSO11484	Active	785754 Ronald R Rall	Certified
5SSO11485	Active	755633 Roanald R Rall	Certified
5SSO11487	Active	747920 Paul	Certified
5SSO11487	Active	787108 Paul Siebensohn	Certified
5SSO11487	Active	787983 Paul Siebensohn	Certified
5SSO11487	Active	789032 Paul Siebensohn	Certified
5SSO11502	Active	775968 Ron Hess	Certified
5SSO11502	Active	783778 Ron Hess	Certified
5SSO11503	Active	726248 Bill Quesnel	Certified
5SSO11503	Active	755680 Bill Quesnel	Certified
5SSO11503	Active	759030 Bill Quesnel	Certified
5SSO11503	Active	785395	Submit Draft
5SSO11504	Active	731169 Steven Norman	Certified
5SSO11504	Active	768414 Steven Norman	Certified
5SSO11504	Active	773998 Steven Norman	Certified
5SSO11504	Active	775974 Steven Norman	Certified
5SSO11504	Active	776549 Steven Norman	Certified
5SSO11520	Active	781404 Britt L. Fussel	Certified
5SSO11520	Active	781405 Britt L. Fussel	Certified
5SSO11520	Active	781406 Britt L. Fussel	Certified
5SSO11531	Active	730988 Joe Beck	Certified
5SSO11531	Active	740789 Sylvester Perez	Certified
5SSO11531	Active	740802 Sylvester Perez	Certified
5SSO11531	Active	744836 Sylvester Perez	Certified
5SSO11531	Active	764361 Sylvester Perez	Certified
5SSO11531	Active	764428 Sylvester Perez	Certified
5SSO11531	Active	765962 Sylvester Perez	Certified
5SSO11531	Active	765963 Sylvester Perez	Certified
5SSO11531	Active	772540 Sylvester Perez	Certified
5SSO11531	Active	781980 Sylvester	Certified
5SSO11531	Active	789638 Sylvester	Certified
5SSO11531	Active	793098 Sylvester	Certified
5SSO11531	Active	793197 Sylvester	Certified
5SSO11531	Active	793275 Sylvester	Certified
5SSO11531	Active	798043 Sylvester	Certified
5SSO11531	Active	798409 sylvester	Certified
5SSO11556	Active	737459 Joseph Akers	Certified
5SSO11556	Active	779851 Joseph Akers	Certified
5SSO11600	Active	737066 Robert Downs	Certified
5SSO11600	Active	759993 Robert Downs	Certified
5SSO11675	Active	756291 Paul Schwarz	Certified
5SSO11675	Active	756292 Paul Schwarz	Certified
5SSO11675	Active	756691 Paul Schwarz	Certified

utility superintendent  
Utility Superintendent  
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Utility Superintendent  
Utility Superintendent  
Superintendent  
Siebensohn  
Director of Field Operations  
Director of Field Operations  
Director of Field Operations  
CE I  
CE I (A)  
Operations Manager  
Operations Manager  
Operations Manager

Special Districts Manager  
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Special Districts Manager  
Assistant Director  
Assistant Director  
Assistant Director  
Public Works Superintendent  
Public Works Superintendent  
Public Works Superintendent  
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Public Works Superintendent  
Public Works Superintendent  
Public Works Superintendent  
Public Works Superintendent  
Public Works Superintendent  
Public Works Superintendent  
Water & Wastewater Supervisor  
Public Works Superintendent  
Public Works Superintendent  
Public Works Superintendent  
Public Works Superintendent  
public works superintendent  
WSPS  
Water Wastewater Supervisor  
Special Districts Engineer  
Special Districts Engineer  
NPS Public Health Sanitarian  
NPS Public Health Sanitaian  
Public Health Sanitarian

	704	183819
11:15 a.m.		390944
	943	363491
1:25 p.m.		816147
1:05 p.m.		272808
	301	592356
9:40 a.m.		615943
8:50 a.m.		949685
8:50 a.m.		640398
1:06pm		169851
11:17 a.m.		575032
1:12pm		753333
12:32 p.m.		375531
	12:57	844017
RMCSO		880711
Rancho Murieta CSD		302158
Rancho Murieta CSD		580574
Rancho Murieta CSD		403307
	1720	247450
MCSP		134921
Truckee, CA		523243
Truckee, CA		148823
Truckee Office		519904
	5:29 PM	101076
	2:21 PM	830153
	12:26 PM	321167
	4:17 PM	582872
	5:06 PM	788348
Visalia		191632
Visalia		850556
Visalia		637535
Orange Cove		271013
Orange Cove		229350
Orange Cove		294305
Orange Cove		295645
Orange Cove		328485
City of Orange Cove		199630
Orange Cove		321377
Orange Cove		187210
Orange Cove		131697
Orange Cove		273202
Orange Cove		544054
Orange Cove		555088
Orange Cove		438649
Orange Cove		575723
Orange Cove		430629
ORANGE COVE		240857
Northern District		163595
	1151	783545
Bakersfield		151405
Bakersfield, CA		553047
	10:48	150967
	10:50	366885
	15:00	404461

30-Mar-12	3/30/2012	5-Apr-12	4/5/2012
30-Apr-12	4/30/2012	30-Apr-12	4/30/2012
2-Jul-12	7/2/2012	2-Jul-12	7/2/2012
28-Sep-12	9/28/2012	28-Sep-12	9/28/2012
31-Oct-12	10/31/2012	31-Oct-12	10/31/2012
5-Mar-13	3/5/2013	5-Mar-13	3/5/2013
30-Apr-13	4/30/2013	30-Apr-13	4/30/2013
27-Feb-09		5-Mar-09	3/5/2009
24-Feb-10		25-Feb-10	2/25/2010
25-Feb-11	2/25/2011	25-Feb-11	2/25/2011
30-Sep-11	9/30/2011	30-Sep-11	9/30/2011
25-Feb-11	2/25/2011	25-Feb-11	2/25/2011
30-Aug-12	8/30/2012	30-Aug-12	8/30/2012
30-Jul-10	7/30/2010	2-Aug-10	8/2/2010
28-Dec-09		29-Dec-09	10/11/2010
10-Oct-12	10/10/2012	10-Oct-12	10/10/2012
12-Nov-12	11/12/2012	12-Nov-12	11/12/2012
14-Dec-12	12/14/2012	14-Dec-12	12/14/2012
17-Jan-12	1/17/2012	17-Jan-12	1/17/2012
19-Jul-12	7/19/2012	19-Jul-12	7/19/2012
15-Sep-08		15-Sep-08	9/15/2008
2-Aug-10	8/2/2010	28-Dec-10	12/28/2010
1-Dec-10	12/1/2010	1-Dec-10	12/1/2010
22-Aug-12	8/22/2012		
30-Dec-08		31-Dec-08	12/7/2010
13-Jul-11	9/12/2011	12-Sep-11	9/12/2011
13-Dec-11	12/13/2011	10-Jan-12	1/10/2012
18-Jan-12	1/18/2012	18-Jan-12	1/24/2012
27-Jan-12	1/27/2012	27-Jan-12	1/27/2012
17-May-12	5/17/2012	29-May-12	5/29/2012
17-May-12	5/17/2012	29-May-12	5/29/2012
17-May-12	5/17/2012	29-May-12	5/29/2012
22-Dec-08		22-Dec-08	12/22/2008
7-Jul-09		14-Jun-10	6/14/2010
7-Jul-09		14-Jun-10	6/14/2010
18-Sep-09		14-Jun-10	6/14/2010
14-Mar-11	3/14/2011	14-Mar-11	3/14/2011
16-Mar-11	3/16/2011	16-Mar-11	3/16/2011
29-Apr-11	11/21/2011	21-Nov-11	11/21/2011
29-Apr-11	4/29/2011	29-Apr-11	4/29/2011
31-Oct-11	10/31/2011	31-Oct-11	10/31/2011
6-Jun-12	6/6/2012	6-Jun-12	6/6/2012
3-Jan-13	1/3/2013	3-Jan-13	2/21/2013
2-Apr-13	4/2/2013	2-Apr-13	4/2/2013
5-Apr-13	4/5/2013	5-Apr-13	4/5/2013
9-Apr-13	4/9/2013	9-Apr-13	4/9/2013
20-Aug-13	8/20/2013	20-Aug-13	8/21/2013
3-Sep-13	9/3/2013	3-Sep-13	9/3/2013
14-May-09		4-Apr-11	4/4/2011
10-Apr-12	4/10/2012	10-Apr-12	4/10/2012
4-May-09		1-Sep-09	9/1/2009
29-Dec-10	12/29/2010	19-Jan-11	1/19/2011
24-Aug-10	8/25/2010	25-Aug-10	8/25/2010
24-Aug-10	8/25/2010	25-Aug-10	8/25/2010
11-Sep-10	12/2/2010	2-Dec-10	12/2/2010



Category 3	50	0
Category 3	30	0
Category 3	15	0
Category 3	10	0
Category 3	100	0
Category 3	50	0
Category 3	8	0
Category 3	143	143
Category 3	10	0
Category 3	200	0
Category 3	5	0
Category 3	200	0
Category 3	840	0
Category 3	150	150
Category 3	500	0
Category 1	50	5
Category 1	50	0
Category 3	20	10
Category 2	2000	0
Category 2	1000	1000
Category 3	15	0
Category 3	250	0
Category 1	300	0
Category 3	25	0
Category 2	1000	0
Category 3	500	0
Category 3	200	0
Category 3	950	0
Category 2	1000	0
Category 3	700	700
Category 3	350	350
Category 2	1000	960
Category 3	20	0
Category 3	20	0
Category 3	700	600
Category 3	150	0
Category 3	25	0
Category 3	75	0
Category 3	100	0
Category 3	100	0
Category 3	100	0
Category 3	40	0
Category 1	15400	0
Category 1	282	0
Category 1	80	0
Category 3	81	0
Category 3	445	0
Category 3	228	0
Category 3	80	55
Category 3	1	0
Category 2	10000	10000
Category 3	200	200
Category 1	750	0
Category 3	50	0
Category 1	24000	0

0 No	No
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80 No	Yes
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750 Yes	No
0 No	No
24000 Yes	No

[illegible]

6005 WILLIAMSBURG  
Lamp hole on Belmont  
2324 Swain  
Lamp hole at 6403 Grigsby  
Man hole in front of 6610 Herndon  
Lamp hole on Belmont BTWN Ben Holt and Sheridan  
1238 Douglas  
Lamp hole at end of Leeana  
Lamp hole in front of 27632 Leeanna  
27635 Leeanna  
Lamp hole in front of 27632 Leeanna  
Manhole on Ranch Rd  
Man hole in front of 8545 Ranch  
CSA31SP00026 - Manhole in front of 15335 N Thornton Rd.  
behind 14928 Trinidad, on Rancho Murieta Association common ground  
behind 6925 Lindero Lane  
behind 6925 Lindero Ln  
behind 6925 Lindero Lane  
Preston Correctional Youth Facility  
Bar screen sump  
upstream of Manhole 10014  
Cascade at Spruce, Manhole #52  
Palisade below Pahatsi  
8305 Cascade Road  
Corner of Posey & Estrada  
Intersection of Posey and Ducor  
I/O Lada and Road 28 1/4  
I/O Lada and Ducor  
I/O Posey and Ducor  
El Rancho Lift Station-1  
El Rancho Lift Station-2  
El Rancho Lift Station-3  
1422 Casuga Orange Cove Ca  
E street and Center  
1805 Monson Ave  
1535 Park Boulevard  
Julia Lopez Day Care Center  
Orange Cove -Sanger Citrus Association  
465 4th  
465 4th  
400 B Street  
Orange Cove -Sanger Citrus Packing  
215 H Street  
Manhole on Jacob Ave between Guttierrez / Adams Ave  
Jacob Ave between Guttierrez / Adams Ave.  
Jacob Ave between Guttierrez / Adams Ave,  
E Street (300 block) alley  
B STREET  
Clear Lake State Park  
Clear Lake State Park Maintenance Yard  
Rexland Acres Pump Station dry well #1  
Planz & KSA Access Road  
Lodgepole Campground  
Lodgepole Housing  
Lodgepole Housing Area

38.0001657	-121.3363797 San Joaquin
38.0043095	-121.3434867 San Joaquin
37.999634	-121.339557 San Joaquin
38.002545	-121.353172 San Joaquin
38.003932	-121.356118 San Joaquin
38.0043459	-121.343365 San Joaquin
38.005715	-121.326557 San Joaquin
37.704592	121.401004 San Joaquin
37.7396513	-121.4252227 San Joaquin
37.704754	-121.401285 San Joaquin
37.7396513	-121.4252227 San Joaquin
37.700877	-121.410188 San Joaquin
37.7014489	-121.410951 San Joaquin
38.119545	-121.394966 San Joaquin
38.50482	-121.09348 Sacramento
38.50096	-121.0979 Sacramento
38.50096	-121.0979 Sacramento
38.50096	-121.0979 Sacramento
38.36077	-120.93407 Amador
38.35733	-120.93801 Amador
39.301111	120.383056 Placer
39.307222	-120.384444 Placer
39.311111	-120.3825 Placer
39.30988	-120.38453 Placer
36.96134	-120.06072 Madera
36.94615	-120.03684 Madera
36.94684	-120.03319 Madera
36.94697	-120.0362 Madera
36.94617	-120.03688 Madera
36.221528	-119.076306 Tulare
36.221528	-119.076306 Tulare
36.221224	-119.073812 Tulare
36.619639	119.324022 Fresno
36.626031	-119.313664 Fresno
36.609422	-119.337817 Fresno
36.62469	-119.32517 Fresno
36.61745	-119.32284 Fresno
36.61792	-119.30655 Fresno
36.62621	-119.30996 Fresno
36.62621	-119.30996 Fresno
36.63024	-119.30954 Fresno
36.61807	-119.30699 Fresno
36.62131	-119.30769 Fresno
36.63256	-119.31365 Fresno
36.63269	-119.31355 Fresno
36.63278	-119.31362 Fresno
36.62596	-119.30895 Fresno
36.63022	-119.3103 Fresno
38.97262	-122.74348 Lake
39.01033	-122.80905 Lake
35.303278	-118.991278 Kern
35.325542	-118.958706 Kern
36.60499	-118.72899 Tulare
36.606306	-118.728333 Tulare
36.605447	-118.732167 Tulare

[illegible]

The following items are only estimates due to the reporting limitations of the old maintenance call reporting forms used be

The following items are only estimates due to the reporting limitations of the old maintenance call reporting forms used be

North Golf course Hole 14 behind 14928 Trinidad  
behind 6925 Lindero, in Home Owners Association lawn area  
Grass area around manhole, located behind 6925 Lindero Lane

Preston bar screen.  
Bar Screen Sump located behind the PCYF  
road shoulder cleanout backed up  
sewer backup from manhole #52  
just south of overhead powerline on west side of Palisade, house is accessed from Acorn  
backed up out of private residence cleanout at property/ROW line on Acorn (house address is Cascade)

primary emergence from manhole in I/O Lada and Ducor, running into street drainage that flows to a ground water recharge

El Rancho Lift Station Wet Well  
Lift Station wet well

manhole in center of street in front of 1422 Casuga  
Manhole on Center and E street overflowed from hole in cover onto the curb and gutter  
Waste water treatment Plant, aerobic digester on S/E corner, onto ground  
Inside apartment complex manhole overflowed  
Manhole on street

Manhole in alley between 2nd and 3rd street on H street. Spill flowing out of hole on cover. 1 3/16 Dia. hole and 24" manhole  
Manhole on Jacob Ave between Gutierrez / Adams Ave  
Manhole north of Adams / Jacob lift station  
Lift Station N/W corner of Jacob Ave and Adams pumps tripped. Manhole on Jacob Ave between Gutierrez / Adams Ave  
Manhole cover (24" Dia.) pick hole (1 1/4") & Height of spout above M/H cover was 1". South side of E street has curb and gutter  
SPILL OUT PICK HOLE FROM MAN HOLE ON BST BETWEEN 4TH & 5TH  
shoulder of entrance road within Clear Lake State Park  
Residence/Maintenance entrance to Clear Lake State Parks  
Pump Station dry well

Lodgepole Campground manhole between sites 52 & 53.  
Carwash area of Lodgepole NPS housing.  
Sewer line running between Lodgepole Housing and the Visitor Center across/through the Marble Fork of the Kaweah River

efore the implementation of our SSMP; a

efore the implementation of our SSMP; a

ing basin.

hole cover

overflowed from pick hole  
l gutter. North side of E street has no cu

er



Other sewer system structure  
Other sewer system structure  
Gravity sewer  
Other sewer system structure  
Manhole  
Gravity sewer  
Gravity sewer  
Other sewer system structure  
Other sewer system structure  
Gravity sewer  
Other sewer system structure  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Pump station  
Other (specify)  
Manhole  
Other sewer system structure  
Other (specify)  
Manhole  
Gravity sewer;Manhole  
Manhole  
Manhole  
Manhole  
Pump station  
Pump station  
Force main or pressure sewer  
Manhole  
Gravity sewer  
Other (specify)  
Manhole  
Manhole  
Gravity sewer  
Manhole  
Manhole  
Gravity sewer  
Manhole  
Manhole  
Pump station  
Manhole  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Force main or pressure sewer  
Gravity sewer;Manhole  
Pump station  
Force main or pressure sewer  
Manhole  
Manhole  
Other sewer system structure

LAMPHOLE

Lamp Hole

Lamp hole

Lamp hole

Lamp hole

Lamp Hole

Lamphole

property line cleanout  
backup from manhole  
at property line cleanout  
property line cleanout

Spill start time is unknown. Spill was contained immediately on arrival. Spill was completely cleaned up at 10:48 a.m. Pt

aerobic digester level got high and spilled

Spill is a combination of Reverse Osmosis waste water that is discharged to the collection system at a rate of 240 gpm ar

Dry well cover

Overflowing manhole

Manhole at the carwash area.

Plastic and paper debris in river below sewer line.

Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Other paved surface  
Separate storm drain;Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Unpaved surface  
Storm drain  
Storm drain  
Separate storm drain;Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Separate storm drain  
Separate storm drain;Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Separate storm drain  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Other (specify below)  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Other (specify below)  
Other (specify below)  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Other paved surface  
Other paved surface  
Separate storm drain  
Other paved surface;Street/curb and gutter  
Street/curb and gutter  
Other (specify below)  
Storm drain  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Other (specify below)  
Street/curb and gutter  
Separate storm drain  
Separate storm drain  
Street/curb and gutter  
Street/curb and gutter  
Other (specify below)  
Unpaved surface  
Storm drain;Street/curb and gutter  
Unpaved surface  
Surface water  
Unpaved surface  
Surface water

Golf course

Most of the seepage around the manhole was contained in lawn area adjacent to manhole

Grass area around manhole

Grassy area around manhole

In the soil around the sump pit.

road shoulder

Road Shoulder

street shoulder

spill infiltrated into unpaved road shoulder and adjacent area

Storm runoff retention pond. Does not feed surface water of any type.

Storm water collection basin

Final spill effluent was pumped back to aerobic digester as level in was lowered.

Into storm drainage pond

Orange Cove drain (creek) that usually flows only when rain occurs. The creek drains to the Alta Irrigation District canal (e

spill contained within an electrical box on the shoulder of the road

Storm Drain Pipe

Marble Fork of the Kaweah River

Marble Fork of the Kaweah River

2/27/2012 16:00	2/27/2012 14:10	2/27/2012 16:50	2/27/2012 16:05
3/24/2012 15:30	3/24/2012 15:30	3/24/2012 15:45	3/24/2012 16:00
5/24/2012 15:00	5/24/2012 15:30	5/24/2012 15:40	5/24/2012 15:50
8/12/2012 22:30	8/12/2012 22:30	8/12/2012 20:00	8/12/2012 22:31
9/30/2012 10:00	9/30/2012 10:16	9/30/2012 10:20	9/30/2012 10:40
1/13/2013 12:50	1/13/2013 13:00	1/13/2013 14:00	1/13/2013 14:00
3/6/2013 15:20	3/6/2013 15:25	3/6/2013 15:45	3/6/2013 15:50
1/16/2009 10:50	1/16/2009 10:50	1/16/2009 11:10	1/16/2009 11:16
1/1/2010 14:10	1/1/2010 14:10	1/1/2010 14:45	1/1/2010 14:50
12/8/2007 9:30	12/8/2007 9:30	12/8/2007 10:45	12/8/2007 11:45
8/8/2011 0:40	8/8/2011 0:40	8/8/2011 1:30	8/8/2011 1:30
12/9/2007 18:00	12/9/2007 18:00	12/9/2007 18:40	12/9/2007 19:40
7/15/2012 20:45	7/15/2012 21:00	7/15/2012 22:30	7/16/2012 0:15
6/8/2010 0:00	6/8/2010 9:29	6/8/2010 9:29	6/8/2010 9:34
12/28/2009 8:00	12/28/2009 9:50	12/28/2009 9:55	12/28/2009 11:30
10/10/2012 0:00	10/10/2012 0:00	10/10/2012 14:12	10/10/2012 14:35
11/12/2012 12:55	11/12/2012 12:55	11/12/2012 13:00	11/12/2012 13:15
12/13/2012 11:48	12/13/2012 11:58	12/13/2012 12:06	12/13/2012 12:12
1/17/2012 0:00	1/17/2012 14:00	1/17/2012 14:00	1/17/2012 15:00
7/19/2012 0:00	7/19/2012 13:30	7/19/2012 10:00	7/19/2012 10:02
8/17/2008 17:00	8/18/2008 13:00	8/18/2008 13:15	8/17/2008 18:00
7/2/2010 0:00	7/2/2010 18:30	7/2/2010 20:00	7/2/2010 20:30
11/1/2010 0:00	11/1/2010 11:15	11/1/2010 11:30	11/1/2010 11:45
8/19/2012 11:00	8/19/2012 11:05	8/19/2012 11:15	8/19/2012 11:30
12/29/2008 14:25	12/29/2008 14:35	12/29/2008 14:40	12/29/2008 16:00
7/12/2011 10:30	7/12/2011 11:05	7/12/2011 11:20	7/12/2011 12:30
12/9/2011 22:00	12/9/2011 22:30	12/9/2011 23:30	12/10/2011 3:00
1/15/2012 0:00	1/15/2012 11:45	1/15/2012 12:30	1/15/2012 16:30
1/9/2012 0:00	1/9/2012 16:00	1/9/2012 16:01	1/9/2012 17:45
5/7/2012 0:00	5/7/2012 12:20	5/7/2012 12:29	5/7/2012 3:48
5/8/2012 0:00	5/8/2012 8:12	5/8/2012 8:36	5/8/2012 12:40
5/14/2012 0:00	5/14/2012 10:50	5/14/2012 10:59	5/14/2012 15:01
12/21/2008 11:00	12/21/2008 11:30	12/21/2008 12:10	12/21/2008 12:30
7/4/2009 0:00	7/4/2009 0:00	7/4/2009 0:00	7/4/2009 0:00
7/6/2009 0:00	7/6/2009 0:00	7/6/2009 0:00	7/6/2009 0:00
9/17/2009 0:00	9/17/2009 0:00	9/17/2009 0:00	9/17/2009 0:00
3/14/2011 0:00	3/14/2011 10:30	3/14/2011 10:45	3/14/2011 11:30
3/16/2011 0:00	3/16/2011 8:30	3/16/2011 9:00	3/16/2011 9:30
4/24/2011 0:00	4/24/2011 9:30	4/24/2011 9:30	4/24/2011 10:00
4/24/2011 0:00	4/24/2011 9:30	4/24/2011 9:30	4/24/2011 10:00
10/28/2011 15:30	10/28/2011 15:30	10/28/2011 16:00	10/28/2011 16:45
6/5/2012 0:00	6/5/2012 17:48	6/5/2012 18:10	6/5/2012 18:30
1/2/2013 0:00	1/2/2013 9:30	1/2/2013 9:30	1/4/2013 14:00
4/1/2013 0:00	4/1/2013 9:25	4/1/2013 9:30	4/1/2013 10:50
4/5/2013 0:00	4/5/2013 6:56	4/5/2013 7:05	4/5/2013 7:10
4/9/2013 7:19	4/9/2013 7:49	4/9/2013 7:49	4/9/2013 0:49
7/11/2013 17:00	7/11/2013 16:30	7/11/2013 16:35	7/11/2013 19:15
9/1/2013 7:24	9/1/2013 7:24	9/1/2013 8:30	9/1/2013 9:13
4/17/2009 15:45	4/17/2009 15:50	4/17/2009 15:58	4/17/2009 15:58
3/22/2012 9:15	4/10/2012 11:41	4/10/2012 11:41	3/22/2012 9:20
5/3/2009 9:00	5/3/2009 17:00	5/3/2009 17:30	5/3/2009 19:30
12/29/2010 0:00	12/29/2010 13:20	12/29/2010 13:30	12/29/2010 15:30
7/13/2007 19:30	7/13/2007 19:45	7/13/2007 20:15	7/13/2007 21:15
8/4/2009 9:50	8/4/2009 9:55	8/4/2009 10:00	8/4/2009 11:00
9/10/2010 0:00	9/11/2010 8:15	9/11/2010 8:15	9/11/2010 11:00

Root intrusion  
Root intrusion  
Debri-General  
Debri-General  
Debri-General  
Root intrusion  
Root intrusion  
Pump station failure  
Pump station failure  
Pump station failure  
Pump station failure  
Pump station failure  
Pump station failure  
Other (specify below)  
Debri-Rags  
Debri-Rags  
Debri-Rags  
Debri-Rags  
Flow exceeded capacity (Separate CS Only)  
Pump station failure  
Other (specify below)  
Other (specify below)  
Root intrusion  
Other (specify below)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Pump station failure  
Grease deposition (FOG)  
Grease deposition (FOG)  
Pump station failure  
Pump station failure  
Pipe structural problem/failure  
Grease deposition (FOG)  
Debri-Rags  
Other (specify below)  
Grease deposition (FOG)  
Debri-Rags  
Debri-Rags  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Debri-General  
Other (specify below)  
Pump station failure  
Pump station failure  
Debri-Rags  
Root intrusion  
Grease deposition (FOG)  
Other (specify below)  
Grease deposition (FOG)  
Pipe structural problem/failure  
Other (specify below)  
Debri-Rags  
Debri-General  
Pipe structural problem/failure

Oily Sludge

Debris and tree roots

Large wad of paper towels or cleaning wipes.

Vacant facility, ruptured industrial water line, caused flows to exceed capacity.

Float malfunction

lateral not connected to mainline when mainline replaced in October 2007

Company performing camera inspection and grouting of base in downstream manhole #51 left plug in upstream pipe in #

downstream pipeline/lateral blocked with dirt/rock due to previous construction damage. blockage caused backup in house

Spill start time is approximate as high level alarm failed. Spill was immediately contained on arrival.

Spill start time is unknown.

Start time unknown. Clean out cap on pressure main failed. Spill was contained immediately upon arrival. Personnel left

aerobic digester overflow piping failed to keep level at that height

Spill is a combination of Reverse Osmosis waste water that is discharged to the collection system at a rate of 240 gpm and

The sewer pipe and electrical conduit share a ditch. Electricians were installing an electrical pull box that required digging

Failure of a small brass fitting due to a ferric chloride leak at the injection point.

City of Bakersfield maintenance crew accidentally opened a force main valve causing the spill.

Campers using a Lodgepole campground bathroom flushed large quantities of baby wipes into the sewer system. These c

60+ year old spiral welded pipe failed during a backwash cycle of the Lodgepole Water system (backwash water is disposed

Lower Lateral  
Main  
Lower Lateral  
Main  
Main  
Main  
Lower Lateral  
Other (specify below)  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Other (specify below)  
Lower Lateral  
Other (specify below)  
Lower Lateral  
Lower Lateral  
Main  
Main  
Main  
Main  
Main  
Other (specify below)  
Other (specify below)  
Other (specify below)

Main  
Other (specify below)  
Main  
Main  
Upper Lateral  
Upper Lateral  
Upper Lateral  
Upper Lateral  
Upper Lateral  
Main  
Upper Lateral  
Upper Lateral  
Upper Lateral  
Main  
Main  
Main  
Lower Lateral  
Other (specify below)  
Main  
Main  
Main  
Main



Lift station failed to start causing sewage to overflow at lamp hole on Leeanna Ct.

Possible belly in main due to large tree located over line; working with Rotorooter to identify issue.

In the sump pit.

cleanout between house cleanout and mainline in shoulder of road  
manhole

root intrusion downstream of property line cleanout caused backup/spill in cleanout  
blockage occurred between street cleanout and mainline

The monitor controlling the pump failed. Caused wet well to overflow.

Wet well monitor failed.

Clean out cap on pressure main failed.

Overflow piping

Pump Station

6

6 PVC

10 PVC

8 ACP  
12

6 pvc

6 AC

6 pvc  
6

12  
6 Clay  
6  
8  
8  
10 C-900  
8 PVC  
6  
6  
6  
6  
8 Clay  
8 red clay  
3

8  
HDPE

6 Steel

50

15

45

9

8

4

30

8

8

8

50

40

35

5

60

ED 006495 00001076-23464

All spill related activities and clean up was preformed by 7-H, contract operator for the Zone G treatment plant at the time  
Spill not active at time of arrival. Cleaned area with potable water and captured in storm system. Pumped storm into sanitary  
All spill related activities and clean up was performed by 7-H, contract operator for Zone E treatment plant at the time.

Spill material at side of road and oily sludge in sanitary was collected by private environmental contractor.

Used District's jetter to clear blockage from downstream manhole and used Ditch Witch vacuum trailer to vacuum seepage  
Having Rotorooter run a higher powered jetter through the collection system line.

Vacuumed seepage around manhole and grassy area next to it while other staff ran a jetter up the line and knocked the blockage  
Stopped flow by shutting down industrial water line.

Upon arriving on the scene, the sewer pumps in the sump pit were switched to manual operation.

Cleaned up surface and disinfected with HTH. Connected lateral to main on 8/27/08. No one at home between 8/17/08 and 8/27/08.

Used snake to remove roots temporarily and replaced section of pipe one week later due to crack at pipe joint  
Spilled sewage infiltrated into soil. Residents of house left (house is second home). Staff cleaned up surface debris and disinfected.

Used hydroflusher to clear blockage and restore flow. Disinfect water on surface using 12 1/2 % sodium hypochlorite until  
Used Rodding machine to clear obstruction and restore flow

Disinfected the immediate area

Discharge went onto ground, unable to recover, no curb and gutter in the immediate area

SWRCB and Local health department notified, Took one RO unit off line to reduce Q to collection system. Barricaded spill  
Lift Station pumps plugged with rags, Pump pulled out and cleaned. MH overflow to storm drain. Subdivision irrigation overflow  
SSO flowed into storm drain, disinfected, and lift station back on line

Lift Station pumps were reset, then removed, cleaned, and reinstalled. Immediate area around spill was disinfected. Diluted  
Disinfect affected area with chlorine

KSA along with the County's maintenance contractor, Golden Empire Water, vacuumed the spill and disinfected the area

1. Utility crews were dispatched the evening of July 13, 2008 to clean & sanitize the affected area. 2. Signs were posted

Affected line plugged, users notified to not use water, waterway posted with stay out signs, line repaired

10/10/2012 14:35

1/17/2012 16:00  
7/19/2012 0:00

12/29/2008 19:30

1/9/2012 21:00

5/14/2012 15:01

1/3/2013 15:54  
4/1/2013 10:50  
4/5/2013 8:15  
4/9/2013 8:00

5/3/2009 19:30

7/14/2007 16:30

9/12/2010 16:00

Adjusted schedule/method of preventive maintenance

Repaired sewer  
Other (specify below)

Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program

Repaired sewer

Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)

Enforcement action against FOG source

Adjusted schedule/method of preventive maintenance

Plan rehabilitation or replacement of sewer;Repaired sewer

Repaired/replaced faulty float

Took one RO unit off line to reduce Q to collection system. City engineer to design an alternate discharge location to avoid  
Modification or upgrade of existing Lift Station  
Lift station to be upgraded and rags and cloth material in collection system issue to be researched  
Quotes to upgrade lift station received, forward to City Council for approval, Researching where rags and stringy cloth material

Replace damaged brass fitting and re-design ferric chloride injection quill. Within 24 hours of the spill, the contents of the



No

No  
No

No

No

No

No  
No  
No  
No

Yes

No

No

No Impact; no visual flow seen going in to drainage detention basin, although pavement adjacent to it had a wet appearance.

There were no visible signs of spill material in the river.

Paper and plastic debris

No

No  
No

No

No

No

No  
No  
No  
No

No

Yes

Yes

N/A

NA

none

N/A

NA

Laguna Joaquin storm water detention basin

None

None

None

N/A

none

NA

n/a

No surface water impacted.

No surface water was impacted.

Dry ditch bed

The Orange Cove drain (creek) flows to the Alta Irrigation District canal and was empty. The AID canal drains to the King:

Clear Lake

N/A

None

Marble Fork Kaweah River

Marble Fork of the Kaweah River

No water quality samples taken

Not applicable to this spill  
No water quality samples taken

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

No water quality samples taken  
No water quality samples taken  
No water quality samples taken  
No water quality samples taken

No water quality samples taken

Biological indicator(s) - specify below

Biological indicator(s) - specify below

Coliform samples were taken 500' upstream & 500' downstream of the spill:

Total coliform

None of the above

Not applicable to this spill  
None of the above

Not applicable to this spill

Not applicable to this spill

None of the above

None of the above  
None of the above  
None of the above  
None of the above

None of the above

Regional Water Quality Control Board

Regional Water Quality Control Board



Did not contact body of water.

7-14-08 - 500' Upstream - 980.4 MPN/100ml 7-14-08 - 500' Downstream - 601.5 MPN/100ml MPN was lower below the :

spill than above.

98592	12/28/2009 10:28
126111	10/10/2012 14:57
126854	11/12/2012 13:54
127617	12/13/2012 12:26
120321	1/17/2012 15:50
124195	7/19/2012 13:30

89224	
114185	7/13/2011 11:35
120275	1/15/2012 18:50
120153	1/9/2012 19:00
122723	5/7/2012 16:37
12122735	5/8/2012 10:51
122910	5/16/2012 8:15

94862	7/7/2009 0:00
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130028	1/2/2013 17:21
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93427	5/4/2009 11:20
110346	1/19/2011 7:50
85155	7/14/2008 13:30
105472	9/11/2010 10:45



5SSO11675	Active	782718 Paul Schwarz	Certified
5SSO11675	Active	796545 Paul Schwarz	Certified
5SSO11679	Active	787961 Mary Maret	Certified
5SSO18099	Active	797121 Philip Albee	Certified
5SSO18099	Active	798596 Philip Albee	Certified
6SSO10459	Active	757256 Nicholas A. Agbobu	Certified
6SSO11102	Active	758313 cheryl goode	Certified
6SSO11102	Active	765820 cheryl goode	Certified
6SSO11102	Active	771914 cheryl goode	Certified
6SSO11103	Active	732189 Dwayne Nevis	Certified
6SSO11103	Active	748058 Robert Hardy	Certified
6SSO11103	Active	748109 Mark Battey	Certified
6SSO11103	Active	754495 D Nevis	Certified
6SSO11103	Active	771541 Dwayne Nevis	Certified
6SSO11103	Active	777771 Dwayne Nevis	Certified
6SSO11106	Active	653741 John Allison	Certified
6SSO11106	Active	719548 John Allison	Certified
6SSO11106	Active	737210 John Allison	Certified
6SSO11106	Active	740738 John Allison	Certified
6SSO11106	Active	741810 John Allison	Certified
6SSO11106	Active	757494 John Allison	Certified
6SSO11110	Active	708934 Robert Hopkins	Certified
6SSO11110	Historical	708934 Robert Hopkins	Certified
6SSO11110	Active	710194 Robert Hopkins	Certified
6SSO11110	Historical	710194 Robert Hopkins	Certified
6SSO11110	Active	710195 Robert Hopkins	Certified
6SSO11110	Historical	710195 Robert Hopkins	Certified
6SSO11110	Active	726618 Jon Curtis Aaron	Certified
6SSO11110	Historical	726618 Jon Curtis Aaron	Certified
6SSO11110	Active	745253 Jon Aaron	Certified
6SSO11110	Historical	745253 Jon Aaron	Certified
6SSO11110	Active	759676 Rob Hopkins	Certified
6SSO11110	Historical	759676 Rob Hopkins	Certified
6SSO11110	Active	771977 Will Stelter	Certified
6SSO11110	Historical	771977 Will Stelter	Certified
6SSO11110	Active	776226 Will Stelter	Certified
6SSO11110	Historical	776226 Will Stelter	Certified
6SSO11110	Active	781790 Will Stelter	Certified
6SSO11110	Historical	781790 Will Stelter	Certified
6SSO11110	Active	786003 Will Stelter	Certified
6SSO11110	Historical	786003 Will Stelter	Certified
6SSO11110	Active	787623 Will Stelter	Certified
6SSO11110	Historical	787623 Will Stelter	Certified
6SSO11110	Active	788535 Will Stelter	Certified
6SSO11110	Historical	788535 Will Stelter	Certified
6SSO11110	Active	789515 Will Stelter	Certified
6SSO11110	Historical	789515 Will Stelter	Certified
6SSO11110	Active	789516 Will Stelter	Certified
6SSO11110	Historical	789516 Will Stelter	Certified
6SSO11110	Active	792968 Will Stelter	Certified
6SSO11110	Historical	792968 Will Stelter	Certified
6SSO11110	Active	793681 Will Stelter	Certified
6SSO11110	Historical	793681 Will Stelter	Certified
6SSO11110	Active	794583 Robert Orr	Certified
6SSO11110	Historical	794583 Robert Orr	Certified

Public Health Sanitarian  
Public Health Sanitarian  
Sr Natural Resource Specialist  
CPM  
CPM II  
Senior Civil Engineer  
district manager  
district manager  
district manager  
Correctional Plant Manager II  
Correctional Plant Supervisor  
Correctional Plant Supervisor  
CPM II  
Plant Manager  
CPM II  
Civil Engineering Technician  
Civil Eng Tech  
Civil Eng. Tech.  
Civil Eng Tech  
Civil Eng. Tech.  
Civil Engineering Technician  
Utility Operations Manager  
Utility Operations Manager  
Utility Operations Manager  
Utility Operations Manager  
Utility Operations Manager  
Utility Operations Manager  
General Manager/CEO  
General Manager/CEO  
General Manager/CEO  
General Manager/CEO  
Utility Operations Manager  
Utility Operations Manager  
District Engineer  
District Engineer  
District Engineer  
District Engineer  
District Engineer  
District Engineer  
District Engineer  
District Engineer  
District Engineer  
District Engineer  
District Engineer  
District Engineer  
District Engineer  
District Engineer  
District Engineer  
District Engineer  
District Eng.  
District Eng.  
District Engineer  
District Engineer  
District Engineer  
District Engineer  
District Engineer  
District Engineer  
Operation Supervisor  
Operation Supervisor

Sequoia and Kings Canyon NP		948129
Sequoia and Kings Canyon NP		390642
4040 Bradshaw Road		559727
CHCF		937377
CHCF		868139
Alhambra		206807
bridgeport public utility district		834505
Bridgeport Public Utility District		837979
	8:55 AM	208199
Susanville		509122
Susanville, Ca		508529
Susanville, Ca		591914
Susanville, ca		176141
	11:16	478138
	829	202592
	7.28	874100
2550 Riverside Drive Susanville, Ca		573908
SO		322608
@550 Riverside Drive Susanville, Ca		873011
	1742	338272
	1501	578862
North Tahoe Public Utility District		716974
North Tahoe Public Utility District		716974
North Tahoe Public Utility District		979435
North Tahoe Public Utility District		979435
North Tahoe Public Utility District		837104
North Tahoe Public Utility District		837104
	9/22/2008	846500
	9/22/2008	846500
4:52 p.m.		768121
4:52 p.m.		768121
North Tahoe Public Utility District		963390
North Tahoe Public Utility District		963390
5:45 pm PST		422748
5:45 pm PST		422748
	12:12	582306
	12:12	582306
	17:05	717021
	17:05	717021
	15:36	573471
	15:36	573471
	18:03	378080
	18:03	378080
	11:00	182812
	11:00	182812
	11:51	912767
	11:51	912767
	12:07	392063
	12:07	392063
	15:10	943279
	15:10	943279
	14:31	259149
	14:31	259149
16:44 pm		158034
16:44 pm		158034

2-Jul-12	7/2/2012	2-Jul-12	7/2/2012
6-Jul-13	7/18/2013	18-Jul-13	7/18/2013
9-Nov-12	11/9/2012	26-Nov-12	11/26/2012
23-Jul-13	7/23/2013	23-Jul-13	7/23/2013
9-Sep-13	9/9/2013	9-Sep-13	9/9/2013
29-Sep-10	9/30/2010	30-Sep-10	9/30/2010
2-Nov-10	11/2/2010	2-Nov-10	11/2/2010
27-Apr-11	4/27/2011	27-Apr-11	4/27/2011
11-Oct-11	10/11/2011	20-Oct-11	10/20/2011
21-Jan-09		21-Jan-09	3/2/2009
31-Dec-09		4-Jan-10	1/4/2010
4-Jan-10		7-Jan-10	1/7/2010
7-Jul-10	7/7/2010	7-Jul-10	3/7/2011
28-Sep-11	9/28/2011	28-Sep-11	9/28/2011
21-Feb-12	2/21/2012	21-Feb-12	2/21/2012
9-Jul-07		9-Jul-07	7/9/2007
16-Jun-08		3-Dec-10	12/3/2010
7-May-09		7-May-09	5/7/2009
6-Jul-09		3-Dec-10	12/3/2010
24-Jul-09		24-Jul-09	7/24/2009
11-Oct-10	10/11/2010	31-Jan-11	1/31/2011
10-Dec-07		21-Dec-07	1/26/2011
10-Dec-07		21-Dec-07	1/26/2011
21-Dec-07		11-Jan-08	1/26/2011
21-Dec-07		11-Jan-08	1/26/2011
21-Dec-07		6-Feb-08	1/26/2011
21-Dec-07		6-Feb-08	1/26/2011
22-Sep-08		22-Sep-08	9/22/2008
22-Sep-08		22-Sep-08	9/22/2008
30-Sep-09		29-Oct-09	10/29/2009
30-Sep-09		29-Oct-09	10/29/2009
21-Dec-10	12/21/2010	23-Feb-11	4/8/2011
21-Dec-10	12/21/2010	23-Feb-11	4/8/2011
12-Oct-11	10/12/2011	12-Oct-11	10/12/2011
12-Oct-11	10/12/2011	12-Oct-11	10/12/2011
23-Jan-12	1/23/2012	23-Jan-12	1/23/2012
23-Jan-12	1/23/2012	23-Jan-12	1/23/2012
1-Jun-12	6/1/2012	1-Jun-12	6/1/2012
1-Jun-12	6/1/2012	1-Jun-12	6/1/2012
7-Sep-12	9/7/2012	7-Sep-12	9/7/2012
7-Sep-12	9/7/2012	7-Sep-12	9/7/2012
26-Oct-12	10/26/2012	26-Oct-12	10/26/2012
26-Oct-12	10/26/2012	26-Oct-12	10/26/2012
28-Nov-12	11/28/2012	30-Nov-12	11/30/2012
28-Nov-12	11/28/2012	30-Nov-12	11/30/2012
28-Dec-12	12/28/2012	28-Dec-12	12/28/2012
28-Dec-12	12/28/2012	28-Dec-12	12/28/2012
28-Dec-12	12/28/2012	28-Dec-12	12/28/2012
28-Dec-12	12/28/2012	28-Dec-12	12/28/2012
27-Mar-13	3/27/2013	27-Mar-13	3/27/2013
27-Mar-13	3/27/2013	27-Mar-13	3/27/2013
26-Apr-13	4/26/2013	26-Apr-13	4/26/2013
26-Apr-13	4/26/2013	26-Apr-13	4/26/2013
29-May-13	5/29/2013	29-May-13	5/29/2013
29-May-13	5/29/2013	29-May-13	5/29/2013



Category 3		20	0
Category 3		200	0
Category 1		25	0
Category 1		25	25
Category 3	20	21	11
Category 3		10	10
Category 1		75	0
Category 3		500	0
Category 3		350	0
Category 3		250	200
Category 3		200	180
Category 3		400	350
Category 1		25000	12000
Category 2		3300	650
Category 3		400	200
Category 3		450	100
Category 3		20	0
Category 3		500	0
Category 3		10	0
Category 3		10	0
Category 3		75	0
Category 3		180	180
Category 3		180	180
Category 3		250	250
Category 3		250	250
Category 3		91	91
Category 3		91	91
Category 3		500	0
Category 3		500	0
Category 3		100	100
Category 3		100	100
Category 1		136000	0
Category 1		136000	0
Category 3		2	2
Category 3		2	2
Category 3		40	35
Category 3		40	35
Category 3		500	240
Category 3		500	240
Category 3		2	0
Category 3		2	0
Category 3		45	15
Category 3		45	15
Category 3		842	842
Category 3		842	842
Category 3		100	25
Category 3		100	25
Category 3		45	3
Category 3		45	3
Category 3		47	0
Category 3		47	0
Category 3		15	0
Category 3		15	0
Category 3		25	0
Category 3		25	0

0 No	No
0 No	No
25 Yes	No
1 No	No
0 No	Yes
0 No	No
1 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
13000 Yes	No
0 No	No
0 No	No
No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
136000 Yes	Yes
136000 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No

Yes

Not

No

Yes

Not

Yes

Not

NOT

Upper Loop Lodgepole Campground  
Upper Loop Lodgepole Campground  
Bridge from Garden Highway into Discovery Park  
Tower 2  
California Health Care Facility  
1404-0079 (Lake Hughes-Trail K Pump Station)  
Stock Drive lift station  
Bridgeport Indian Colony - Sage Brush Road  
Webb Lift Station  
Ccc @ Susanville, Csp-Lc CS  
Lassen Unit Kitchen  
Lassen Unit Building 6  
California Correctional Center Wastewater Treatment Plant  
California Correctional Center  
California Correctional Center- Susanville, Ca 96130  
Export station Eagle Lake  
Camp Ronald McDonald  
Eagle Lake Recreation Area  
Aspen Loop in Merrill Campground at Eagle Lake  
Eagle Lake Recreation Area Trailer Dump.  
Export Station Eagle Lake Recreation Area, Eagle Lake California  
Manhole Number(s) SB-1-39 and SB-1-51  
Manhole Number(s) SB-1-39 and SB-1-51  
NTPUD Force Main Air / Vacuum Breaker - 4300 North Lake Blvd.  
NTPUD Force Main Air / Vacuum Breaker - 4300 North Lake Blvd.  
253 Park Lane  
253 Park Lane  
Cheshire Court Easement Manhole 85  
Cheshire Court Easement Manhole 85  
Sierra Boat Company at State Highway 28  
Sierra Boat Company at State Highway 28  
3730 North Lake Blvd. Manhole # 161  
3730 North Lake Blvd. Manhole # 161  
4388 Beaumont Rd.  
4388 Beaumont Rd.  
8841 Dolly Varden  
8841 Dolly Varden  
Dollar 22 (inactive) force main  
Dollar 22 (inactive) force main  
1160 Whitehall  
1160 Whitehall  
9759 N. Lake Blvd  
9759 N. Lake Blvd  
3600 north lake blvd.  
3600 north lake blvd.  
5778 Nile Street  
5778 Nile Street  
8738 Trout  
8738 Trout  
8684 Trout  
8684 Trout  
8669 Dolly Varden  
8669 Dolly Varden  
8674 Steelhead  
8674 Steelhead

36.604386	-118.720786 Tulare
36.604275	-118.720833 Tulare
38.6096	-121.5019 Sacramento
37.8903	-121.19173 San Joaquin
37.8903	-121.19173 San Joaquin
34.67500814	-118.442856 Los Angeles
38.25823	-119.22823 Mono
38.25575	-119.23127 Mono
38.26453	-119.22085 Mono
40.403333	120.519722 Lassen
40.40096	-120.51864 Lassen
40.4011	-120.51849 Lassen
40.40412	-120.48119 Lassen
40.40412	-120.48119 Lassen
40.40404	-120.48199 Lassen
40.550556	120.82 Lassen
40.559733	-120.761419 Lassen
40.55675	-120.769581 Lassen
40.325849	-120.483386 Lassen
40.324531	-120.483349 Lassen
40.54707	-120.81339 Lassen
39.261667	-120.060556 Placer
39.261667	-120.060556 Placer
39.21129	-120.08878 Placer
39.21129	-120.08878 Placer
39.23101	-120.01349 Placer
39.23101	-120.01349 Placer
39.2469	120.06485 Placer
39.2469	120.06485 Placer
39.22103	-120.07622 Placer
39.22103	-120.07622 Placer
39.20098	-120.09572 Placer
39.20098	-120.09572 Placer
39.21297	-120.101992 Placer
39.21297	-120.101992 Placer
39.241736	-120.017111 Placer
39.241736	-120.017111 Placer
39.196667	-120.099167 Placer
39.196667	-120.099167 Placer
39.250556	-120.042778 Placer
39.250556	-120.042778 Placer
39.227778	-120.010278 Placer
39.227778	-120.010278 Placer
39.195239	-120.099661 Placer
39.195239	-120.099661 Placer
39.234722	-120.0725 Placer
39.234722	-120.0725 Placer
39.2375	-120.018611 Placer
39.2375	-120.018611 Placer
39.2375	-120.019722 Placer
39.2375	-120.019722 Placer
39.241703	-120.020178 Placer
39.241703	-120.020178 Placer
39.24	-120.020278 Placer
39.24	-120.020278 Placer

[illegible]

Upper Loop Lodgepole Campground

Bridge with sewer air release valve crosses Bannon Slough from Garden Highway into Discovery Park at Natomas Drive  
Tower 2

CSMD Mapsheet No. 1404 Manhole 79 MMS No. 4315323

The spill was located at a sewer manhole in the center of Sage Brush Road.

Webb Lift Station-Main lift station to take towns sewage up stream to sewer ponds

Lateral line cleanout behind Lassen Unit Kitchen

Spill occurred at the waste water plant off a bypass line which had a cracked fitting. Fitting was located on the southeast corner

Spill occurred inside state correctional facility. Sierra Yard. Adjacent to Main Kitchen

Export station located at Eagle Lake Recreation Area.

South end of Eagle Lake at Camp Ronald McDonald.

Eagle Lake recreation Area @ 100 yds from the parking area.

West end of Aspen loop on the outlet side.

Eagle Lake Recreation Area Trailer Dump Station.

Export Station

Spill primary location is NTPUD Manhole number SB-1-39, located in the westbound slow lane of North Lake Blvd. / Highway 28

Spill primary location is NTPUD Manhole number SB-1-39, located in the westbound slow lane of North Lake Blvd. / Highway 28

Air / Vacuum release valve for NTPUD Force Main. Located on south side North Lake Boulevard / Highway 28. Valve box

Air / Vacuum release valve for NTPUD Force Main. Located on south side North Lake Boulevard / Highway 28. Valve box

NTPUD Manhole # SB-1-194, located in roadway in fronting 253 and 257 Park Lane

NTPUD Manhole # SB-1-194, located in roadway in fronting 253 and 257 Park Lane

Manhole located on easement between 1432 and 1436 Cheshire Court. Manhole is located at easterly and downhill portion

Manhole located on easement between 1432 and 1436 Cheshire Court. Manhole is located at easterly and downhill portion

In the State right of way on Highway 28.

In the State right of way on Highway 28.

Transition Manhole Force Main to Gravity Main, denoted as Manhole # 161 on North Tahoe Public Utility District Sewer Main

Transition Manhole Force Main to Gravity Main, denoted as Manhole # 161 on North Tahoe Public Utility District Sewer Main

Back of Lot Sewer Main. Behind House

Back of Lot Sewer Main. Behind House

Single Family Residence. Property line clean-out.

Single Family Residence. Property line clean-out.

East side of Highway (approximately 1/2 way up forcemain alignment)

East side of Highway (approximately 1/2 way up forcemain alignment)

Property Line C/O for 1160 Whitehall (See attached memo and paperwork)

Property Line C/O for 1160 Whitehall (See attached memo and paperwork)

See attached Memo

See attached Memo

Building Clean out - adjacent to structure

Building Clean out - adjacent to structure

Building C/O

Building C/O

Building C/O of rear unit

Building C/O of rear unit

Property line Clean-out

Property line Clean-out

under house

under house

corner of the building.

highway 28. Nearest business is Kentucky  
highway 28. Nearest business is Kentucky  
box fronts property at 4300 North Lake Bc  
box fronts property at 4300 North Lake Bc

portion of property  
portion of property

laps  
laps



Manhole  
Manhole  
Other (specify)  
Manhole  
Gravity Mainline  
Manhole  
Manhole  
Manhole  
Other (specify)  
Other sewer system structure  
Gravity sewer  
Gravity sewer  
Other sewer system structure  
Other sewer system structure  
Gravity sewer;Manhole  
Pump station  
Gravity sewer  
Pump station  
Gravity sewer  
Other sewer system structure  
Force main or pressure sewer  
Manhole  
Manhole  
Force main or pressure sewer  
Force main or pressure sewer  
Manhole  
Manhole  
Manhole  
Manhole  
Force main or pressure sewer  
Force main or pressure sewer  
Force main or pressure sewer;Gravity sewer  
Force main or pressure sewer;Gravity sewer  
Manhole  
Manhole  
Other (specify)  
Other (specify)  
Force main or pressure sewer  
Force main or pressure sewer  
Building or structure  
Building or structure  
Gravity sewer  
Gravity sewer  
Force main or pressure sewer  
Force main or pressure sewer  
Other (specify)  
Other (specify)  
Other (specify)  
Other (specify)  
Other sewer system structure  
Other sewer system structure  
Other (specify)  
Other (specify)  
Other (specify)  
Other (specify)

Liquid seeping from mainhole lid  
Manhole  
Air release valve

manhole

Main ball valve for the towns force main sewer line

Septic Tank

Primary spill point and majority of flow discharge was at District manhole SB-1-39, which is lower in elevation than the se  
Primary spill point and majority of flow discharge was at District manhole SB-1-39, which is lower in elevation than the se

Sewage was seeping out of manhole to roadway at less than one gpm. Sewage was freezing on road surface and paved  
Sewage was seeping out of manhole to roadway at less than one gpm. Sewage was freezing on road surface and paved

Property Line C/O  
Property Line C/O

See attached Memo  
See attached Memo

Building C/O  
Building C/O  
Building C/O  
Building C/O  
Building C/O  
Building C/O  
property line clean-out  
property line clean-out  
under house  
under house

Unpaved surface  
Unpaved surface  
Surface water  
Other paved surface  
Paved Surface  
Other (specify below)  
Street/curb and gutter  
Street/curb and gutter  
Other (specify below)  
Unpaved surface  
Other paved surface  
Other paved surface  
Other (specify below)  
Other (specify below)  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Other paved surface;Separate storm drain  
Other paved surface;Separate storm drain  
Other (specify below)  
Other (specify below)  
Other paved surface  
Other paved surface  
Unpaved surface  
Unpaved surface  
Other paved surface  
Other paved surface  
Separate storm drain;Surface water  
Separate storm drain;Surface water  
Unpaved surface  
Unpaved surface  
Unpaved surface;Other (specify below)  
Unpaved surface;Other (specify below)  
Separate storm drain;Other (specify below)  
Separate storm drain;Other (specify below)  
Unpaved surface  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Unpaved surface;Other (specify below)  
Unpaved surface;Other (specify below)  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Other paved surface  
Other paved surface  
Other (specify below)  
Other (specify below)

Liquid soaked into bare ground; off road and not near any campsites, trails or visitor facilities. There was no solids due to

Area around manhole.

the spill surfaced to reach the unpaved dirt and reached a ditch between the Highway and the spill site

Drainage channel

Spill was contained in drainage ditch prior to reaching any drain or storm water ditch.

Private property owner's driveway.

Private property owner's driveway.

Driveway

Driveway

Pooled up and froze on ground next to Property line C/O

Pooled up and froze on ground next to Property line C/O

Hillside adjacent to highway.

Hillside adjacent to highway.

immediate area around P/L C/O

immediate area around P/L C/O

204 feet of gutter, no stormdrains

204 feet of gutter, no stormdrains

sedimentation basin

sedimentation basin

Adjacent to Building and C/O - pooled up and stopped

Adjacent to Building and C/O - pooled up and stopped

Adjacent to C/O - Pooled up.

Adjacent to C/O - Pooled up.

Next to building, rear of parcel, in Dirt

Next to building, rear of parcel, in Dirt

Road

Road

under house

under house

6/20/2012 15:30	6/20/2012 15:30	6/20/2012 15:40	6/20/2012 15:45
7/6/2013 12:30	7/6/2013 13:30	7/6/2013 13:30	7/6/2013 14:00
11/2/2012 0:00	11/2/2012 14:25	11/2/2012 14:30	11/2/2012 14:45
7/17/2013 12:00	7/17/2013 12:05	7/17/2013 12:10	7/17/2013 12:15
9/7/2013 20:30	9/7/2013 20:35	9/7/2013 20:35	9/7/2013 22:00
9/26/2010 11:00	9/26/2010 11:00	9/26/2010 11:45	9/26/2010 14:00
10/25/2010 21:02	10/25/2010 21:15	10/25/2010 21:20	10/25/2010 21:30
4/26/2011 10:30	4/26/2011 10:35	4/26/2011 10:45	4/26/2011 2:00
10/10/2011 7:15	10/10/2011 7:30	10/10/2011 7:30	10/10/2011 8:30
1/20/2009 14:30	1/20/2009 14:32	1/20/2009 14:45	1/20/2009 15:16
12/31/2009 12:15	12/31/2009 12:25	12/31/2009 12:25	12/31/2009 12:35
1/4/2010 7:30	1/4/2010 7:30	1/4/2010 7:35	1/4/2010 9:00
6/6/2010 0:00	6/6/2010 7:00	6/6/2010 7:00	6/6/2010 7:10
9/28/2011 8:30	9/28/2011 8:33	9/28/2011 8:35	9/28/2011 8:45
2/19/2012 4:00	2/19/2012 5:00	2/19/2012 6:00	2/19/2012 7:00
7/6/2007 10:00	7/6/2007 12:00	7/6/2007 13:00	7/6/2007 11:30
6/15/2008 14:00	6/15/2008 14:20	6/15/2008 15:30	6/15/2008 14:10
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7/6/2009 13:00	7/6/2009 13:00	7/6/2009 13:00	7/6/2009 14:00
7/24/2009 14:00	7/24/2009 14:45	7/24/2009 15:30	7/24/2009 14:05
10/11/2010 0:00	10/11/2010 12:00	10/11/2010 12:00	10/11/2010 12:15
12/10/2007 7:30	12/10/2007 7:30	12/10/2007 8:10	12/10/2007 8:30
12/10/2007 7:30	12/10/2007 7:30	12/10/2007 8:10	12/10/2007 8:30
12/3/2007 12:30	12/3/2007 13:10	12/3/2007 13:20	12/3/2007 13:20
12/3/2007 12:30	12/3/2007 13:10	12/3/2007 13:20	12/3/2007 13:20
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9/21/2008 12:29	9/21/2008 12:29	9/21/2008 13:00	9/21/2008 14:30
9/30/2009 11:15	9/30/2009 12:30	9/30/2009 11:30	9/30/2009 11:49
9/30/2009 11:15	9/30/2009 12:30	9/30/2009 11:30	9/30/2009 11:49
12/19/2010 0:00	12/19/2010 14:15	12/19/2010 14:00	12/19/2010 17:08
12/19/2010 0:00	12/19/2010 14:15	12/19/2010 14:00	12/19/2010 17:08
9/4/2011 12:00	9/4/2011 13:00	9/4/2011 13:30	9/4/2011 15:00
9/4/2011 12:00	9/4/2011 13:00	9/4/2011 13:30	9/4/2011 15:00
12/31/2011 7:00	12/31/2011 16:00	12/31/2011 17:00	12/31/2011 16:00
12/31/2011 7:00	12/31/2011 16:00	12/31/2011 17:00	12/31/2011 16:00
5/16/2012 0:00	5/16/2012 10:15	5/16/2012 11:00	5/16/2012 11:00
5/16/2012 0:00	5/16/2012 10:15	5/16/2012 11:00	5/16/2012 11:00
8/19/2012 17:00	8/19/2012 18:45	8/19/2012 19:08	8/19/2012 17:05
8/19/2012 17:00	8/19/2012 18:45	8/19/2012 19:08	8/19/2012 17:05
9/16/2012 12:00	9/19/2012 9:32	9/19/2012 9:32	9/19/2012 9:32
9/16/2012 12:00	9/19/2012 9:32	9/19/2012 9:32	9/19/2012 9:32
10/31/2012 14:30	10/31/2012 14:30	10/31/2012 10:00	10/31/2012 15:00
10/31/2012 14:30	10/31/2012 14:30	10/31/2012 10:00	10/31/2012 15:00
11/13/2012 17:00	11/14/2012 9:10	11/14/2012 9:15	11/14/2012 9:45
11/13/2012 17:00	11/14/2012 9:10	11/14/2012 9:15	11/14/2012 9:45
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4/21/2013 14:30	4/21/2013 16:45	4/21/2013 17:05	4/21/2013 18:22

Debris-General  
Debris-General  
Debris-Rags  
Debris-General  
Debris from Construction  
Pump station failure  
Other (specify below)  
Grease deposition (FOG)  
Other (specify below)  
Debris-Rags  
Debris-General  
Other (specify below)  
Pump station failure  
Pipe structural problem/failure  
Debris-General  
Other (specify below)  
Other (specify below)  
Flow exceeded capacity  
Debris-General  
Debris-General  
Pump station failure  
Debris-General  
Debris-General  
Debris-General  
Debris-General  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Other (specify below)  
Other (specify below)  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Other (specify below)  
Other (specify below)  
Debris-General  
Debris-General  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion

Sanitary wipes and paper towels  
Plastic bag plugged outlet from manhole.  
Air release valve stayed open when backup occurred downstream of the valve.

generator didn't transfer  
Hair (wig piece), grease and soap  
a leak from the main valve outside of the pump vault failure

Heating loop pipe developed a leak. 190 degree water collapsed 6 pvc waste line.

Solids overwhelmed pumps.  
Clogged gravity sewer line

Debris in gravity line caused blockage

Spill cause reported by Operators as a combination of rocks and grease.  
Spill cause reported by Operators as a combination of rocks and grease.  
Air Release / Vacuum Breaker Valve stuck open at an unknown time prior to the initial call in to the District. This release  
Air Release / Vacuum Breaker Valve stuck open at an unknown time prior to the initial call in to the District. This release  
Small spill due to root intrusion 7 feet upstream from District manhole # SB-1-193.  
Small spill due to root intrusion 7 feet upstream from District manhole # SB-1-193.

Private contractor was digging under District force main and punctured pipe with backhoe.  
Private contractor was digging under District force main and punctured pipe with backhoe.  
Failure of Fuel Supply System to Emergency Backup Generators at Dollar Main Sewer Export Station.  
Failure of Fuel Supply System to Emergency Backup Generators at Dollar Main Sewer Export Station.

Construction damage. Caltrans installation guardrail post.  
Construction damage. Caltrans installation guardrail post.  
Owner of house noticed standing liquid around residential pump (in garage) Sunday late afternoon, stopped using sewer,  
Owner of house noticed standing liquid around residential pump (in garage) Sunday late afternoon, stopped using sewer,

pipe damaged by prior construction work. Pipe filled with Clean water to test  
pipe damaged by prior construction work. Pipe filled with Clean water to test

Upper Lateral  
Main  
Other (specify below)  
Upper Lateral  
Manhole  
Other (specify below)  
Main  
Main  
Main  
Main  
Lower Lateral  
Main  
Other (specify below)  
Other (specify below)  
Main  
  
Other (specify below)  
Other (specify below)  
Lower Lateral  
Other (specify below)  
Main  
Main  
Main  
Other (specify below)  
Other (specify below)  
Main  
Main  
Main  
Main  
Main  
Main  
Other (specify below)  
Other (specify below)  
Main  
Main  
Lower Lateral  
Lower Lateral  
Other (specify below)  
Other (specify below)  
Main  
Main  
Lower Lateral  
Lower Lateral  
Other (specify below)  
Other (specify below)  
Main  
Main  
Main  
Main  
Main  
Main  
Lower Lateral  
Lower Lateral  
Main  
Main



Air relief valve

Manhole No. 79 overflowed due to pump station failure.

The flow from this main sewer pipe line all comes from the Bridgeport Indian Colony.  
Force main upper pipe

Headworks Pump Station Failure  
Bypass line on spool fitting.

Gravity line between cabin and pump station  
Restroom slone valve

Septic Tank outlet

Air Release/Vacuum Breaker  
Air Release/Vacuum Breaker

Dollar Main Sewer Export Station fuel supply feed system between Bulk Fuel Tank and Generator Day-Tank located in G  
Dollar Main Sewer Export Station fuel supply feed system between Bulk Fuel Tank and Generator Day-Tank located in G

Root intrusion between Property line C/O and Main  
Root intrusion between Property line C/O and Main  
22 (inactive) forcemain  
22 (inactive) forcemain  
Main between two manholes  
Main between two manholes

on inactive force main line. pipe filled with clean water to test.  
on inactive force main line. pipe filled with clean water to test.

4

No

8 Plastic  
6 PVC  
6 pvc

4 ABS

6 SDR 35  
4 PVC  
4 n/a  
6 clay  
6 clay

24 steel  
24 steel

enerator Room .  
enerator Room .

6 ACP  
6 ACP  
4  
4  
22 Steel  
22 Steel  
6 AC  
6 AC  
4  
4

25

22

23

22

20

3

4

35

35

35

40

40

35

35

42

42

42

42

Cleaned-up (mitigated effects of spill): Restored flow

Once sanitary wipes and paper towels were cleared from manhole outlet, flow resumed as normal.

Turned off pumps at park restrooms, closed restrooms, depressurized the system, and brought porta-potties into the park

Restored pump station to normal operations and repaired alarm system.

The District had to call a pumper truck from an other area to come and help clean out the stoppage. This is what took so clean-up with disinfectant around area, the district has hired and construction company to come and replace the main val

Jet rodded and evacuated all collected sewage and debris from sanitary sewer system and from storm drain drop inlets.  
Jet rodded and evacuated all collected sewage and debris from sanitary sewer system and from storm drain drop inlets.  
Spill mitigation consisted of removing the standing sewage from the Air / Vacuum Valve Canister and removing contamin  
Spill mitigation consisted of removing the standing sewage from the Air / Vacuum Valve Canister and removing contamin  
Initial spill response involved jet rodding the main from the downstream manhole # SB-1-193, to free the line of the obstru  
Initial spill response involved jet rodding the main from the downstream manhole # SB-1-193, to free the line of the obstru

See attachment

See attachment

Investigate customer call in, clear line at main, Root area scheduled for replacement. (See Memo and Lucity Asset Manag

Investigate customer call in, clear line at main, Root area scheduled for replacement. (See Memo and Lucity Asset Manag

See memo and field notes

See memo and field notes

11/2/2012 14:45

6/6/2010 12:00  
9/28/2011 12:00

12/10/2007 8:30  
12/10/2007 8:30

12/19/2010 19:36  
12/19/2010 19:36

Other (specify below)

Other (specify below)

Repaired sewer;Other (specify below)

Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance;Other (specify below)

Adjusted schedule/method of preventive maintenance;Other (specify below)

All restrooms in Discovery Park will remain closed until we are able to fix the blockage problem. The Department is also

Installed a diesel pump with floats as back up  
Bypass sewer line has been repaired and thrust block installed

Flushed upstream and downstream sewer mains to eliminate any additional rocks (debris) that may have been present.  
Flushed upstream and downstream sewer mains to eliminate any additional rocks (debris) that may have been present.

Higher Amperage Circuit Breakers have been installed on Day Tank Fuel Pumping System. Control Circuits to Day Tank  
Higher Amperage Circuit Breakers have been installed on Day Tank Fuel Pumping System. Control Circuits to Day Tank



No

No  
No

No  
No

Yes  
Yes

Liquid leakage, no solids. Could not see any visible impacts to the receiving water.

Did not enter receiving waters

N/A

n/a

No Receiving Waters Impacted

No Receiving Waters Impacted

Not applicable.

Not applicable.

N/A

N/A

N/A

N/A

No

No  
No

No  
No

No  
No

N/A

n/a  
NA  
NA

N/A  
N/A  
N/A  
N/A

N/A  
NONE  
Bannon Slough  
NA

Spill was fully recovered.  
None  
None  
none

None. Spill was contained in on-site drainage channel  
None  
None

n/a  
NA  
NA

Lake Tahoe  
Lake Tahoe  
None - In Tahoe Basin  
None - In Tahoe Basin  
Lake Tahoe  
Lake Tahoe  
N/A - Lake Tahoe downgrade  
N/A - Lake Tahoe downgrade  
N/A  
N/A  
Lake Tahoe  
Lake Tahoe  
None  
None  
None  
None  
None  
None  
N/A  
N/A  
none  
none  
N/A  
N/A

No water quality samples taken

Other chemical indicator(s) - specify below;Biological indicator(s) - specify below  
No water quality samples taken;Not applicable to this spill

No water quality samples taken  
No water quality samples taken

Other chemical indicator(s) - specify below;Biological indicator(s) - specify below;Other (specify below)  
Other chemical indicator(s) - specify below;Biological indicator(s) - specify below;Other (specify below)

Ammonia as N Total Kjeldahl Nitrogen Total Dissolved Solids

Lake water at spill point and 25 feet East and West of spill entry to Lake Tahoe sampled for 1) Turbidity, 2) Residual Chlorine  
Lake water at spill point and 25 feet East and West of spill entry to Lake Tahoe sampled for 1) Turbidity, 2) Residual Chlorine

No water quality samples taken

Regional Water Quality Control Board  
None of the above

Not applicable to this spill  
Not applicable to this spill

County Health Agency;Regional Water Quality Control Board  
County Health Agency;Regional Water Quality Control Board







126696	11/5/2012 15:30
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105777	9/26/2010 13:02
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	4/27/2011 8:30
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1034061	6/6/2010 10:15
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115752	9/28/2011 9:30
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86871	9/21/2008 19:00
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86871	9/21/2008 19:00
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96633	9/30/2009 11:54
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96633	9/30/2009 11:54
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107642	12/19/2010 15:00
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107642	12/19/2010 15:00
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115264	9/4/2011 14:00
--------	----------------

115264	9/4/2011 14:00
--------	----------------

P Albee CPM

2094677890

6SSO11110	Active	797354 Will Stelter	Certified
6SSO11110	Historical	797354 Will Stelter	Certified
6SSO11110	Active	798296 Will Stelter	Certified
6SSO11110	Historical	798296 Will Stelter	Certified
6SSO11110	Active	801057 Will Stelter	Certified
6SSO11110	Historical	801057 Will Stelter	Certified
6SSO11111	Active	726836 Matt Ryan	Certified
6SSO11111	Active	727233 Matt Ryan	Certified
6SSO11111	Active	756200 Matt Ryan	Certified
6SSO11111	Active	782067 Matt Ryan	Certified
6SSO11113	Active	657821 Randy Curtis	Certified
6SSO11113	Active	712608 Randy Curtis	Certified
6SSO11113	Active	713768 Douglas Van Gorden	Certified
6SSO11113	Active	716122 Randy Curtis	Certified
6SSO11113	Active	716544 Randy Curtis	Certified
6SSO11113	Active	716921 Michael Adams	Certified
6SSO11113	Active	719348 Doug Van Gorden	Certified
6SSO11113	Active	719810 Randy Curtis	Certified
6SSO11113	Active	719842 Michael Adams	Certified
6SSO11113	Active	723276 Michael Adams	Certified
6SSO11113	Active	727598 Michael Adams	Certified
6SSO11113	Active	731363 Randy Curtis	Certified
6SSO11113	Active	731503 Randy Curtis	Certified
6SSO11113	Active	731774 Michael Adams	Certified
6SSO11113	Active	732708 Michael Adams	Certified
6SSO11113	Active	733934 Randy Curtis	Certified
6SSO11113	Active	735735 Michael Adams	Certified
6SSO11113	Active	736244 Michael Adams	Certified
6SSO11113	Active	736967 Michael Adams	Certified
6SSO11113	Active	737913 Randy Curtis	Certified
6SSO11113	Active	738642 Michael Adams	Certified
6SSO11113	Active	740671 Randy Curtis	Certified
6SSO11113	Active	743525 Michael Adams	Certified
6SSO11113	Active	744317 Randy Curtis	Certified
6SSO11113	Active	744660 Michael Adams	Certified
6SSO11113	Active	747315 James Hammond	Certified
6SSO11113	Active	747776 Michael Adams	Certified
6SSO11113	Active	751248 Randy Curtis	Certified
6SSO11113	Active	752130 Randy Curtis	Certified
6SSO11113	Active	752505 Randy Curtis	Certified
6SSO11113	Active	754405 James Hammond	Certified
6SSO11113	Active	755967 Doug Van Gorden	Certified
6SSO11113	Active	756470 Doug van Gorden	Certified
6SSO11113	Active	756980 Doug Van Gorden	Certified
6SSO11113	Active	757002 Doug Van Gorden	Certified
6SSO11113	Active	759181 Doug Van Gorden	Certified
6SSO11113	Active	761578 Douglas Van Gorden	Certified
6SSO11113	Active	765628 Doug Van Gorden	Certified
6SSO11113	Active	766155 Doug Van Gorden	Certified
6SSO11113	Active	766650 Doug Van Gorden	Certified
6SSO11113	Active	768210 Douglas Van Gorden	Certified
6SSO11113	Active	768656 Douglas Van Gorden	Certified
6SSO11113	Active	774272 Doug Van Gorden	Certified
6SSO11113	Active	775533 Dougalas Van Gorden	Certified
6SSO11113	Active	780986 James Hammond	Certified

District Engineer  
District Engineer  
District Engineer  
District Engineer  
District Engineer  
District Engineer  
Utilities Operations Manager  
Ops Mgr  
Utilities Operations Manager  
Ops Mgr  
Manager of Field Operations  
Manager of Field Operations  
Underground Repair Sewer Supervisor  
Manager of Field Operations  
Manager of Field Operations  
URS Supervisor  
Underground Repair Supervisor  
Manager of Field Operations  
URS Supervisor  
URS Supervisor  
URS Supervisor  
Manager of Field operations  
Manager of Field Operations  
URS Supervisor  
URS Supervisor  
Manager of Field Operations  
URS Supervisor  
URS Supervisor  
URS Supervisor  
Manager of Field Operations  
URS Supervisor  
Manager of Field Operations  
URS Supervisor  
Manager of Field Operations  
URS Supervisor  
URS Leadman  
URS Supervisor  
Manager of Field Operations  
Manager of Field Operations  
Manager of Field Operations  
Leadman  
U/R Sewer Supervisor  
Underground Repair Sewer Supervisor  
Underground Repair Sewer Supervisor  
Underground Repair Sewer Supervisor  
Underground Repair Sewer Supervisor  
Collection System Supervisor  
Underground Repair Sewer Supervisor  
Underground Repair Sewer Supervisor  
Underground Repair Sewer Supervisor  
Underground Repair Sewer Supervisor  
Underground Repair Sewer Supervisor  
Underground Repair Sewer Supervisor  
Underground repair Sewer Supervisor  
Leadman URS Sewer

	20:27	667638
	20:27	667638
	13:38	422815
	13:38	422815
	15:51	501214
	15:51	501214
Northstar		120404
Northstar		259470
Truckee Ca		562812
Northstar		194069
South Lake Tahoe		991737
South Lake Tahoe		930115
South Lake Tahoe		118498
South Lake Tahoe, CA		278149
South Lake Tahoe		922519
South Lake Tahoe, CA		690026
South Lake Tahoe		166623
South Lake Tahoe		827480
South Lake Tahoe		796425
South Lake Tahoe, CA		215912
South Lake Tahoe		649732
South Lake Tahoe, Ca		776527
South Lake Tahoe, Ca.		352746
South Lake Tahoe		251473
South Lake Tahoe		746558
South Lake Tahoe		759638
South Lake Tahoe		110914
South Lake Tahoe		958427
South Lake Tahoe		520879
South Tahoe PUD		969808
South Lake Tahoe, CA		219390
South Tahoe P.U.D.		282519
South Lake Tahoe, CA		781517
South Lake Tahoe, CA		812314
South Lake Tahoe, CA		268344
South Lake Tahoe,CA.		942852
South Lake Tahoe		256119
South Lake Tahoe, CA		172568
South Lake Tahoe		291161
South Lake Tahoe		572293
Work		274494
South Lake Tahoe		327584
south Lake Tahoe		443936
South Lake Tahoe		498069
South Lake Tahoe		246115
South Lake Tahoe,CA		587406
South Lake Tahoe		946135
South Lake Tahoe, Ca.		186125
South Lake Tahoe		630090
South Lake tahoe		970117
South Lake tahoe		473174
South Lake Tahoe		921280
South Lake Tahoe		993809
South Lake Tahoe		836248
South Lake Tahoe		213263

29-Jul-13	7/29/2013	29-Jul-13	7/29/2013
29-Jul-13	7/29/2013	29-Jul-13	7/29/2013
28-Aug-13	8/28/2013	28-Aug-13	8/28/2013
28-Aug-13	8/28/2013	28-Aug-13	8/28/2013
22-Nov-13	11/22/2013	22-Nov-13	11/22/2013
22-Nov-13	11/22/2013	22-Nov-13	11/22/2013
24-Sep-08		1-Oct-08	10/1/2008
1-Oct-08		7-Oct-08	3/15/2013
19-Aug-10	8/19/2010	19-Aug-10	8/19/2010
11-Jun-12	6/11/2012	11-Jun-12	6/11/2012
20-Sep-07		21-Sep-07	9/21/2007
7-Feb-08		7-Feb-08	2/7/2008
22-Feb-08		22-Feb-08	12/2/2010
14-Apr-08		18-Apr-08	12/2/2010
25-Apr-08		25-Apr-08	4/25/2008
3-May-08		8-May-08	5/8/2008
11-Jun-08		18-Jun-08	12/2/2010
18-Jun-08		19-Jun-08	6/23/2008
19-Jun-08		19-Jun-08	6/19/2008
23-Jul-08		28-Jul-08	7/28/2008
8-Oct-08		8-Oct-08	10/8/2008
2-Jan-09		5-Jan-09	1/5/2009
6-Jan-09		7-Jan-09	1/7/2009
13-Jan-09		14-Jan-09	1/14/2009
28-Jan-09		29-Jan-09	1/29/2009
20-Feb-09		20-Feb-09	2/20/2009
31-Mar-09		31-Mar-09	3/31/2009
11-Apr-09		13-Apr-09	4/13/2009
29-Apr-09		4-May-09	5/4/2009
26-May-09		26-May-09	5/29/2009
8-Jun-09		8-Jun-09	6/8/2009
5-Jul-09		6-Jul-09	7/6/2009
22-Aug-09		24-Aug-09	8/24/2009
7-Sep-09		8-Sep-09	12/2/2010
15-Sep-09		15-Sep-09	9/15/2009
4-Dec-09		8-Dec-09	12/8/2009
22-Dec-09		22-Dec-09	12/22/2009
2-Apr-10		2-Apr-10	4/2/2010
4-May-10		14-May-10	5/14/2010
18-May-10	5/18/2010	18-May-10	5/18/2010
3-Jul-10	7/3/2010	6-Jul-10	7/6/2010
11-Aug-10	8/11/2010	16-Aug-10	8/16/2010
30-Aug-10	8/30/2010	13-Sep-10	9/13/2010
20-Sep-10	9/20/2010	22-Sep-10	9/22/2010
21-Sep-10	9/21/2010	22-Sep-10	9/22/2010
7-Dec-10	12/8/2010	9-Dec-10	12/9/2010
21-Jan-11	1/21/2011	31-Jan-11	1/31/2011
19-Apr-11	4/19/2011	21-Apr-11	4/21/2011
3-May-11	5/3/2011	10-May-11	5/10/2011
18-May-11	5/18/2011	25-May-11	5/25/2011
6-Jul-11	7/6/2011	19-Jul-11	7/19/2011
19-Jul-11	7/19/2011	28-Jul-11	7/28/2011
19-Dec-11	12/19/2011	3-Jan-12	1/3/2012
9-Jan-12	1/9/2012	23-Jan-12	1/23/2012
6-May-12	5/6/2012	16-May-12	5/16/2012



Category 3		120	120
Category 3		120	120
Category 3		7	1
Category 3		7	1
Category 3	7	7	7
Category 3	7	7	7
Category 2		1000	400
Category 3		500	450
Category 3		400	0
Category 3		250	0
Category 3		750	700
Category 3		150	120
Category 3		150	20
Category 3		50	40
Category 3		70	10
Category 1		400	0
Category 3		125	10
Category 3		700	0
Category 3		30	25
Category 3		800	750
Category 3		100	0
Category 3		50	0
Category 3		150	0
Category 3		70	70
Category 3		200	200
Category 2		1000	0
Category 3		20	0
Category 3		100	75
Category 3		200	0
Category 3		10	10
Category 3		100	100
Category 3		200	200
Category 3		50	0
Category 1		200	100
Category 3		50	30
Category 3		20	0
Category 3		100	0
Category 1		300	100
Category 3		5	0
Category 3		50	50
Category 3		40	40
Category 3		20	20
Category 3		150	135
Category 3		20	0
Category 3		200	200
Category 3		60	50
Category 3		100	100
Category 3		5	5
Category 3		30	0
Category 3		50	50
Category 3		45	45
Category 3		60	45
Category 3		500	0
Category 3		350	200
Category 1		180	0

0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
400 Yes	No
0 No	No
0 No	No
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
100 Yes	Yes
0 No	No
0 No	No
0 No	No
200 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	Yes
180 Yes	No

Not Applicable - Spill did not reach a separate storm drainpipe

Pino Grande & HWY 28  
Pino Grande & HWY 28  
9759 N. Lake Blvd.  
9759 N. Lake Blvd.  
1124 Regency  
1124 Regency  
corner of hwy267 and airport rd Truckee Ca.  
Corner of highway 267 and Airport Rd.  
Northstar Drive at Beaver Pond  
Northstar at Tahoe Golf Course 18th T box  
South Lake Tahoe  
1156 Dedi  
High Meadows Trail  
Manhole JN182  
Manhole UT-24 South Lake Tahoe, CA.  
UT1578  
Woodbine RD  
UT139 Washoan St. South Lake Tahoe,CA  
SM47  
Timber Cove  
945 Merced  
Glenwood Dr. Manhole JN-387  
1128 Modoc manhole #UT-2164  
TR692  
BV146  
manhole BV-38  
UT224  
UT1812  
TR756  
Fallen Leaf Road Force Main AR-13 Grid 31  
JN448  
manhole #UT335 Washoan ST. South Lake Tahoe Grid Page M-32  
BJ105  
Nevada Street manhole BV116  
TK345  
2413 Wagon Train Tr, South Lake Tahoe,Ca 96150  
TR199  
Manhole SM 77 Wedlen Ct.  
Manhole TR-978 2351 Wagon Train  
1885 Bonanza manhole TR-266  
2310 Marshall Trail  
Intersection of High Meadows Tr. and Bonanza Tr. M.H. 266  
Behind 1559 Cherry Hills Circle  
Easement behind 2251 Columbine Tr.  
Lake Tahoe Blvd. and Pioneer Trail Grid Sheet Page Q-20 M.H. BJ247  
1020 Muskwaki Dr.  
Forest Ave and Pine Grove Ave  
Grid N-22 M.H. A.T.156  
Easement behind 1857 Hekpa. Grid page n-33 TR-FI714  
677 San Francisco South Lake Tahoe, Ca.  
Sewer Manhole UT 16, #297  
3967 Larch Ave.  
Intersection of Walkup Rd. and Red Lake Rd.  
Manhole # JN296 in front of 3511 Rancho Circle  
1593 Plateau Cir.

39.238333	-120.042778 Placer
39.238333	-120.042778 Placer
39.228611	-120.010139 Placer
39.228611	-120.010139 Placer
39.255278	-120.064722 Placer
39.255278	-120.064722 Placer
39.314731	120.148361 Placer
39.314731	-120.14836 Placer
39.2817	-120.11653 Placer
39.288133	-120.113336 Placer
38.946944	119.946667 El Dorado
38.911083	120.009778 El Dorado
38.90494	-119.96199 El Dorado
38.945	-119.951389 El Dorado
38.897228	-119.998616 El Dorado
38.933889	120.1225 El Dorado
38.93728	-119.95489 El Dorado
38.899722	119.992222 El Dorado
38.938333	120.026111 El Dorado
38.956111	119.977222 El Dorado
38.950278	119.988333 El Dorado
38.938333	119.969722 El Dorado
38.859444	120.021111 El Dorado
38.894444	119.989167 El Dorado
38.944722	119.985 El Dorado
38.990998	119.991346 El Dorado
38.900278	-119.989722 El Dorado
38.906111	-120.016667 El Dorado
38.863611	-119.983333 El Dorado
38.895058	-120.056688 El Dorado
38.94	-119.958056 El Dorado
38.8856	-119.989 El Dorado
38.968889	-119.960278 El Dorado
38.94379	-119.98532 El Dorado
38.938056	-119.993611 El Dorado
38.90435	-119.96461 El Dorado
38.905556	-119.962222 El Dorado
38.93324	-119.98435 El Dorado
38.90813	-119.9762 El Dorado
38.9028	-119.9608 El Dorado
38.90159	-119.96528 El Dorado
38.90065	-119.96658 El Dorado
38.90065	-119.96658 El Dorado
38.89966	-119.96605 El Dorado
38.95386	-119.94603 El Dorado
38.88746	-119.98843 El Dorado
38.94936	-119.95005 El Dorado
38.93407	-119.9795 El Dorado
38.88409	-119.98558 El Dorado
38.93968	-119.99097 El Dorado
38.86659	-120.00819 El Dorado
38.94749	-119.94425 El Dorado
38.93271	-119.96036 El Dorado
38.93413	-119.96409 El Dorado
38.91046	-119.96729 El Dorado

[illegible]

Intersection of Pino Grande and HWY 28 (North Lake Blvd.)  
Intersection of Pino Grande and HWY 28 (North Lake Blvd.)  
9759 NLB Property Line C/O  
9759 NLB Property Line C/O  
Property Line Clean Out  
Property Line Clean Out  
corner of hwy 267 and airport rd on south side in sewer easement , dirt lot  
Corner of 267 and airport rd  
blockage in middle of Northstar Drive and backing up out of manhole

Spilling from toilet in unit B  
In front of residence out of manhole  
Spill located on easement through private property  
Center of street  
100 yards south east of Kyburz Street, in forested area.  
Easement off Mohican  
Street  
600ft from Washoan St. on District easement

From building C/O (200 Building) to private storm drain with 1000 gallon interceptor. Blew off no hub couplig to toliet loca  
Partial blockage in District's main caused spill from private lateral under house  
Intersection of Glenwood and Bruce manhole ID # JN-387  
In public right of way under snow berm.  
Corner of Susquehana & Jicarilla  
Street  
Spill from manhole #BV-38 300' north of the terminus of San Fransico St. Manhole located in meadow area with no acces  
Easement behind 834 Panka  
Corner of Arrowhead & Washoe  
Easement behind 1888 Osage  
Located on Fallen Leaf Lake Road, air relief manhole, 4 force main  
Intersection of Spruce & Penninsula

Dirt Road  
Manhole on Nevada Street dead end  
Manhole in front of addrees. When staff arrived manhole was not overflowing but there was signs that an overflow had oc  
Manhole TR202  
At Manhole TR199  
At the end of Wedlen Ct. located in the Tahoe Keys Subdivision  
On easement behind 2351 Wagon train Manhole TR 978  
In intersection of High Meadows and Bonanza

Behind 1559 Cherry Hills Circle, M.H. U.T. 16 #366

Easement along bike trail behind 1857 Hekpa Tr.

Grid page P-24 M/H JN 283

Easement. Lateral SSO at Property line

1  
1

ted in boat rental office.

is due to snow

ccurred.



Manhole  
Manhole  
Other (specify)  
Other (specify)  
Lateral Clean Out (Public)  
Lateral Clean Out (Public)  
Manhole  
Manhole  
Manhole  
Manhole  
Building or structure  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Building or structure  
Building or structure  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Manhole  
Force main or pressure sewer  
Gravity sewer;Manhole  
Gravity sewer  
Gravity sewer;Manhole  
Gravity sewer;Manhole  
Manhole  
Manhole  
Gravity sewer;Manhole  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Gravity sewer  
Manhole  
Manhole  
Manhole  
Other (specify)  
Manhole  
Manhole  
Manhole  
Other (specify)  
Manhole  
Building or structure  
Manhole  
Manhole  
Gravity sewer;Other (specify)

Property Line C/O  
Property Line C/O  
Property Line Clean Out  
Property Line Clean Out

Weeping through pick hole

Spilling from manhole JN454

Partial blockage in District's main caused spill from private lateral under house

weeping from manhole containing 1 air relief valve map location grid 31 AR-13

Spill was under the house when a plumber removed the clean-out cap. It was the low point between our manholes UT 33:

The customers property line clean out.

Lateral Spill on easement. SSO was caused by main line blockage.

Street/curb and gutter;Other (specify below)  
Street/curb and gutter;Other (specify below)  
Other paved surface  
Other paved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Storm drain;Street/curb and gutter;Unpaved surface  
Unpaved surface  
Other (specify below)  
Other (specify below)  
Unpaved surface  
Other (specify below)  
Unpaved surface  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Building or structure  
Unpaved surface  
Unpaved surface;Other (specify below)  
Other paved surface  
Street/curb and gutter;Other (specify below)  
Unpaved surface;Other (specify below)  
Unpaved surface  
Street/curb and gutter;Unpaved surface  
Unpaved surface  
Other paved surface;Unpaved surface  
Storm drain  
Unpaved surface  
Unpaved surface  
Beach;Other paved surface;Separate storm drain;Unpaved surface  
Unpaved surface  
Other paved surface  
Other (specify below)  
Storm drain;Street/curb and gutter;Surface water  
Unpaved surface  
Other paved surface;Street/curb and gutter;Unpaved surface  
Street/curb and gutter  
Other paved surface  
Unpaved surface  
Unpaved surface  
Storm drain  
Unpaved surface;Other (specify below)  
Other (specify below)  
Other paved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Building or structure  
Unpaved surface  
Unpaved surface  
Surface water

Captured in Storm Drain Vault  
Captured in Storm Drain Vault  
Front of Driveway  
Front of Driveway  
Next to Clean Out  
Next to Clean Out

went into unpaved lot, overflow channel was made as a result of last spill, worked perfect and diverted 90% back into dov

Area of open forest land  
Storm drain retention basin  
Dirt duff area surrounding manhole  
SEZ at Hwy 50 & Santa Fe (Meadow)

Meadow area 600 ft from Washoan St. on District easement  
Meadow  
1000 gallon interceptor  
Under 945 Merced

Snow Berm

Snow Berm  
Spill from manhole contained in depression area around and near manhole

Located around manhole

Snow Berm

The spill was under the house.  
Drainage Inlet (DI)

6/9/2013 1:00	6/9/2013 9:45	6/9/2013 10:45	6/9/2013 11:09
6/9/2013 1:00	6/9/2013 9:45	6/9/2013 10:45	6/9/2013 11:09
7/23/2013 6:00	7/23/2013 6:30	7/23/2013 6:45	7/23/2013 6:45
7/23/2013 6:00	7/23/2013 6:30	7/23/2013 6:45	7/23/2013 6:45
10/29/2013 0:00	10/29/2013 16:45	10/29/2013 17:20	10/29/2013 18:15
10/29/2013 0:00	10/29/2013 16:45	10/29/2013 17:20	10/29/2013 18:15
9/24/2008 0:00	9/24/2008 15:30	9/24/2008 15:30	9/24/2008 15:45
10/1/2008 0:00	10/1/2008 12:10	10/1/2008 12:10	10/1/2008 12:15
8/19/2010 6:30	8/19/2010 8:00	8/19/2010 8:15	8/19/2010 10:00
6/8/2012 0:00	6/11/2012 12:00	6/11/2012 12:10	6/11/2012 12:30
9/15/2007 11:05	9/15/2007 11:05	9/15/2007 11:45	9/15/2007 12:30
2/6/2008 9:40	2/6/2008 9:40	2/6/2008 9:55	2/6/2008 10:25
2/22/2008 9:03	2/22/2008 9:03	2/22/2008 9:16	2/22/2008 10:03
4/14/2008 10:34	4/14/2008 10:34	4/14/2008 10:40	4/14/2008 10:45
4/24/2008 12:00	4/24/2008 15:11	4/24/2008 15:35	4/24/2008 16:15
5/3/2008 16:31	5/3/2008 16:31	5/3/2008 16:55	5/3/2008 18:10
6/11/2008 10:47	6/11/2008 10:47	6/11/2008 11:00	6/11/2008 11:00
6/13/2008 18:00	6/16/2008 11:59	6/16/2008 14:00	6/16/2008 15:00
6/18/2008 14:53	6/18/2008 14:53	6/18/2008 15:04	6/18/2008 15:11
7/23/2008 8:45	7/23/2008 8:57	7/23/2008 9:10	7/23/2008 9:30
10/7/2008 0:00	10/7/2008 15:35	10/7/2008 15:45	10/7/2008 16:00
1/2/2009 11:30	1/2/2009 11:30	1/2/2009 12:00	1/2/2009 12:15
1/6/2009 11:20	1/6/2009 11:20	1/6/2009 11:35	1/6/2009 12:15
1/13/2009 7:05	1/13/2009 7:05	1/13/2009 7:10	1/13/2009 7:28
1/28/2009 0:00	1/28/2009 10:22	1/28/2009 10:30	1/28/2009 10:40
2/19/2009 0:00	2/19/2009 17:27	2/19/2009 17:45	2/19/2009 18:15
3/30/2009 19:50	3/30/2009 19:50	3/30/2009 20:20	3/30/2009 23:05
4/11/2009 0:00	4/11/2009 9:45	4/11/2009 10:05	4/11/2009 10:56
4/28/2009 7:25	4/28/2009 7:25	4/28/2009 7:40	4/28/2009 8:15
5/23/2009 0:00	5/23/2009 17:25	5/23/2009 18:00	5/23/2009 20:55
6/5/2009 0:00	6/5/2009 15:00	6/5/2009 15:00	6/5/2009 15:15
7/4/2009 13:50	7/4/2009 13:50	7/4/2009 14:35	7/4/2009 18:30
8/22/2009 9:30	8/22/2009 9:30	8/22/2009 10:00	8/22/2009 10:35
9/7/2009 11:30	9/7/2009 11:30	9/7/2009 11:50	9/7/2009 12:40
9/15/2009 13:15	9/15/2009 13:15	9/15/2009 13:15	9/15/2009 13:15
12/4/2009 15:45	12/4/2009 15:45	12/4/2009 16:00	12/4/2009 16:15
12/22/2009 12:15	12/22/2009 12:15	12/22/2009 12:25	12/22/2009 12:55
4/2/2010 9:35	4/2/2010 9:45	4/2/2010 9:57	4/2/2010 10:04
4/30/2010 17:00	4/30/2010 17:00	4/30/2010 17:10	4/30/2010 17:20
5/18/2010 8:00	5/18/2010 8:00	5/18/2010 8:10	5/18/2010 8:30
7/3/2010 8:53	7/3/2010 8:53	7/3/2010 9:30	7/3/2010 10:20
8/10/2010 21:35	8/10/2010 21:35	8/10/2010 21:50	8/10/2010 22:30
8/26/2010 10:15	8/26/2010 10:29	8/26/2010 10:45	8/26/2010 10:48
9/18/2010 11:30	9/18/2010 11:45	9/18/2010 12:00	9/18/2010 12:20
9/21/2010 9:30	9/21/2010 10:30	9/21/2010 10:40	9/21/2010 10:50
12/6/2010 0:00	12/6/2010 11:40	12/6/2010 12:10	12/6/2010 12:20
1/20/2011 20:30	1/20/2011 20:30	1/20/2011 21:00	1/20/2011 21:35
4/19/2011 11:20	4/19/2011 11:20	4/19/2011 11:30	4/19/2011 11:35
5/3/2011 13:10	5/3/2011 13:13	5/3/2011 13:30	5/3/2011 13:45
5/18/2011 12:04	5/18/2011 13:37	5/18/2011 14:00	5/18/2011 14:05
7/6/2011 7:55	7/6/2011 8:00	7/6/2011 8:25	7/6/2011 8:40
7/17/2011 10:45	7/17/2011 10:55	7/17/2011 11:15	7/17/2011 11:15
12/18/2011 10:05	12/18/2011 10:10	12/18/2011 10:35	12/18/2011 11:15
1/8/2012 14:20	1/8/2012 14:24	1/8/2012 14:35	1/8/2012 15:20
5/6/2012 0:00	5/6/2012 14:07	5/6/2012 14:30	5/6/2012 15:20

Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Debris-General  
Debris-General  
Other (specify below)  
Flow exceeded capacity (Separate CS Only)  
Debris-General  
Debris-General  
Other (specify below)  
Root intrusion  
Debris-General  
Other (specify below)  
Debris  
Root intrusion  
Root intrusion  
Other (specify below)  
Grease deposition (FOG)  
Root intrusion  
Other (specify below)  
Root intrusion  
Debris  
Debris-General  
Root intrusion  
Other (specify below)  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Other (specify below)  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Debris-Rags  
Vandalism  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Vandalism  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Vandalism  
Grease deposition (FOG)  
Root intrusion  
Debris-Rags  
Debris-Rags  
Other (specify below)  
Grease deposition (FOG)  
Other (specify below)  
Debris-General  
Debris-Rags  
Debris-Rags  
Vandalism

Lower Lateral Debris/Roots

Lower Lateral Debris/Roots

siphon line cleaning project, pig was stuck, upon release it overwhelmed the manhole structure.

Had two pumper trucks on site and one vactor, air used to push pig blasted sewage in containment manhole chamber out

City Paving contractor allowed debris to enter manholes during re-grading of manole frame and cover

Root intrusion from Private lateral.

Root ball from private lateral

Small roots with numerous pairs of blue rubber gloves

Cleaning Rags

Rags

Asphalt from DOT construction project Summer 2008 Confirmed by TV inspection 1/13/2009

Root intrusion from lateral stub

Excess concrete from manhole installation found in down stream pipe causing back-up of solids

Air relief valve weeping, float mechanism not fully seating

Pine Cones in manhole

Roots and disposable wipes

Inordinate amount of sand

After TV inspection, we found many tree branch(sticks) and rags. Vandalism

Main  
Main  
Lower Lateral  
Lower Lateral  
Lower Lateral (Public)  
Lower Lateral (Public)  
Other (specify below)  
Other (specify below)  
Main  
Main

Main  
Main

Main  
Main  
Main  
Other (specify below)  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Other (specify below)  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main

Main

[illegible]



At the manhole, 6000g pumper truck and 600g vactor were unable to keep up.  
Manhole

Root intrusion from private lateral

Spill occurred from building clean due to a partial blockage of sewer main.

Air relief valve on 4' force main

Cleaning crews found surcharged manhole, broke stoppage which was caused by a type of expandable foam insulation.

Three homes on this main

Lower Lateral SSO caused by mainline blockage.

No  
No

8 ductile iron  
12 Steel  
6 ACP

6 AC  
8  
6 ac  
6 AC  
6 ac  
6 VCP  
6 AC  
6 AC  
6 AC  
10 AC  
6 AC  
6 AC  
6 AC  
6 AC  
6 VCP  
6 AC  
8 ac  
6 VCP  
6 AC  
6 AC  
4 pvc  
6 AC  
6 ac  
6 AC  
6 ac  
8 AC  
6 VCP  
6 VCP  
6 ac

6 ac  
6 vcp

6 ac

8 AC

38

36

40

50

40

48

40

38

48

42

38

40

40

38

40

40

49

50

39

35

40

32

50

40

49

50

40

40

40

45

40



Area of spill was contained using a backhoe that was on site at the time of discharge. Backhoe was in place as preparatio  
cleared blockage, reestablished flow, mitigated area with lime

Vacuumed ground area affected and disposed of spoils at wastewater treatment plant  
Used vac truck to remove all spill

Lab tested storm drain retention basin for pressence of sewage field results were negative  
Area raked put into plastic bags and disposed of at treatment plant .  
Cleaned and chlorinated the area  
Vacuumed and chlorinated area  
Chlorinated site using granular calcium chlorite as per Dept. of Health

Wastewater soaked into ground. Area was chlorinated.

Area was barricaded off. Water had leached into ground by 07:30 2-20-09.  
Applied Root Chemical

Used Vac truck to remove all spill and clean vault Applied granular calcium hypochlorite to area surrounding manhole

Removed storm drain grate and used vac truck to clean drop inlet and bottom of DI

APPLIED CL2 granuals on area around manhole  
Recovered all spill using vac truck. Washed down gutter area. Sprinkled CL2 granules

9/24/2008 18:30

4/14/2008 11:15

5/3/2008 22:50

2/20/2009 14:00

9/7/2009 15:00

4/2/2010 11:15

5/6/2012 18:00

Other (specify below)

Adjusted schedule/method of preventive maintenance

Other (specify below)

Added sewer to preventive maintenance program;Plan rehabilitation or replacement of sewer;Other (specify below)

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Other (specify below)

Pig has exited system, we will reevaluate before continuing and make needed changes, most likely, increase vactors on :

Root chemical (RootX)

We will be using an internal saw to remove excess material located near manhole BV-38. Then clean using high pressure

CCTV for cause of spill and corrective measures if needed. No corrective measures needed. Vandalism.



No

Yes

No

No

No

No

Yes

NA

None noted

n/a

District Lab Tech drew samples upstream, at entrance and downstream. All samples where negative for NH3

No sewage reached the Lake

NA

Small amount reached beach via storm drain, soaked into sand at end of drain pipe apron

Very small amount, no visual impact. South Tahoe PUD lab took samples Negative for ammonia at storm drain outlet

No

No

No

No

No

No

Yes

NA

n/a

NA

N/A

Reagan Beach

N/A

Lake Tahoe  
Lake Tahoe  
None  
None

NA

n/a

Not known. Small stream that starts about 50' upstream of spill location.

N/A

Lake Tahoe

Lake Tahoe

None  
N/A

A snow melt mud pond next to Cold Creek Stream.

Not applicable to this spill

Other chemical indicator(s) - specify below

Other chemical indicator(s) - specify below; Biological indicator(s) - specify below

No water quality samples taken

No water quality samples taken; Other (specify below)

Biological indicator(s) - specify below; Other (specify below)

Other (specify below)

NESSLER taken at site was negative. Lab is performing more extensive testing on samples drawn.

NH3 Coliform Minerals & Nutrients

Area covered with goose droppings. beach impacted with droppings for 2-300 yards. Unable to get viable sample

ammonia, coliforms

PH, Electrical Conductive, Chloride, Ammonia-Nitrogen, Total Coliforms, E. coli

None of the above

Regional Water Quality Control Board

Regional Water Quality Control Board

No water quality samples taken

No water quality samples taken

County Health Agency;Regional Water Quality Control Board

Regional Water Quality Control Board







86942	9/24/2008 15:45
	8/19/2010 9:45
75629	9/15/2007 12:00
82783	4/14/2008 11:15
83231	5/3/2008 17:50
84159	6/11/2008 11:11
84270	6/16/2008 13:30
8433	6/18/2008 15:19
85373	7/23/2008 9:13
87267	10/7/2008 16:03
90094	1/6/2009 12:40
90261	1/13/2009 7:28
90833	1/28/2009 10:38
91460	2/19/2009 17:46
92632	3/30/2009 21:10
92908	4/11/2009 10:30
93293	4/28/2009 8:28
93887	5/23/2009 18:30
94165	6/5/2009 15:19
94807	7/4/2009 6:05
95834	8/22/2009 11:55
96174	9/7/2009 12:47
96335	9/15/2009 15:20
102136	4/2/2010 9:50
105673	9/21/2010 11:00
122703	5/6/2012 15:06

Bob Orr or Will Stelter (Ops Super) (District Engineer)  
Bob Orr or Will Stelter (Ops Super) (District Engineer)

5305464212  
5305464212

6SSO11113	Active	788871 Jim Hammond	Certified
6SSO11113	Active	792653 Doug Van Gorden	Certified
6SSO11113	Active	792816 Doug van Gorden	Certified
6SSO11113	Active	793364 Doug Van Gorden	Certified
6SSO11113	Active	793797 Douglas Van Gorden	Certified
6SSO11113	Active	799113 Doug Van Gorden	Certified
6SSO11113	Active	799636 Doug Van Gorden	Certified
6SSO11114	Active	752344 Jesse R McGraw	Certified
6SSO11114	Active	797722 Brandon Burks	Certified
6SSO11117	Active	706752 Randy O'Hern	Certified
6SSO11117	Active	706753 Randy O'Hern	Certified
6SSO11117	Active	713039 Randy O'Hern	Certified
6SSO11117	Active	717683 Randy O'Hern	Certified
6SSO11117	Active	718432 Randy OHern	Certified
6SSO11117	Active	725546 Randy O'Hern	Certified
6SSO11117	Active	729607 Randy O'Hern	Certified
6SSO11117	Active	730124 Randy O'Hern	Certified
6SSO11117	Active	730314 Randy O'Hern	Certified
6SSO11117	Active	730626 Randy O'Hern	Certified
6SSO11117	Active	733262 Randy O'Hern	Certified
6SSO11117	Active	736723 Randy O'Hern	Certified
6SSO11117	Active	737155 Randy O'Hern	Certified
6SSO11117	Active	744294 Randy OHern	Certified
6SSO11117	Active	744367 Randy O'Hern	Certified
6SSO11117	Active	745681 Randy OHern	Certified
6SSO11117	Active	746416 Randy O'Hern	Certified
6SSO11117	Active	749013 Randy O'Hern	Certified
6SSO11117	Active	749046 Randy O'Hern	Certified
6SSO11117	Active	749073 Randy O'Hern	Certified
6SSO11117	Active	749150 Randy O'Hern	Certified
6SSO11117	Active	749940 Randy O'Hern	Certified
6SSO11117	Active	750175 Randy O'Hern	Certified
6SSO11117	Active	757444 Randy O'Hern	Certified
6SSO11117	Active	757945 Randy OHern	Certified
6SSO11117	Active	758185 Randy OHern	Certified
6SSO11117	Active	759075 Randy O'Hern	Certified
6SSO11117	Active	759122 Randy O'Hern	Certified
6SSO11117	Active	759123 Randy O'Hern	Certified
6SSO11117	Active	759871 Randy OHern	Certified
6SSO11117	Active	760095 Randy O'Hern	Certified
6SSO11117	Active	760101 Randy O'Hern	Certified
6SSO11117	Active	760433 Randy O'Hern	Certified
6SSO11117	Active	763093 Randy O'Hern	Certified
6SSO11117	Active	764773 Randy O'Hern	Certified
6SSO11117	Active	766971 Randy O'Hern	Certified
6SSO11117	Active	767311 Randy O'Hern	Certified
6SSO11117	Active	768583 Randy OHern	Certified
6SSO11117	Active	769957 Randy OHern	Certified
6SSO11117	Active	770811 Randy O'Hern	Certified
6SSO11117	Active	772295 Randy OHern	Certified
6SSO11117	Active	772913 Randy O'Hern	Certified
6SSO11117	Active	775156 Deborah L. Stampfli	Certified
6SSO11117	Active	776007 Deborah L. Stampfli	Certified
6SSO11117	Active	776327 Randy O'Hern	Certified
6SSO11117	Active	776328 Deborah Stampfli	Certified

[illegible]

South Tahoe Public Utility District		887033
South Lake tahoe		807131
South Lake Tahoe		773636
South Lake Tahoe		300762
South Lake Tahoe		810328
South Lake Tahoe		205942
South Lake Tahoe		883262
Olympic Valley		443275
SVPSD		560254
45 S. Roop Street		897541
45 S. Roop Street, Susanville Ca. 96130		468361
District office		401398
45 S. Roop street		523027
45 S. Roop Street		555738
	10:35	294466
45 S. Roop Street		711428
45 S Roop Street		179468
45 S. Roop Street		978074
45 S Roop Street		541866
45 S Roop St		194382
45 S. Roop Street		303603
45 S. Roop Street		426572
45 S. Roop Street		516183
45 S. Roop Street		806761
	10/16/2009	556580
11:40 45 S. Roop Street		243465
45 S roop St		294382
45 S. Roop street		261098
45 S. Roop Street		263445
45 S. Roop St.		183640
45 S. Roop St.		477638
45 S. Roop Street		628622
45 S. Roop Street		149996
45 S. Roop Street		656973
45 S. Roop Street		368491
45 S. Roop Street		974835
45 S. Roop Street		682344
45 S. Roop Street		900576
45 S. Roop Street		255547
45 S. Roop st.		668623
45 S. Roop Street		172806
45 S. Roop st.		618697
45 S. Roop Street		364326
45 S. Roop St.		798260
45 S. Roop St.		488528
45 S Roop Street		444688
45 S. Roop St.		610216
45 S. Roop Street		756321
45 S. Roop Street		365931
45 S. Roop Street		779259
45 S. Roop St.		566934
11:33 a.m.		621740
	14:40	954836
45 S. Roop street		802997
	9:25	490133

7-Dec-12	12/7/2012	18-Dec-12	12/18/2012
14-Mar-13	3/27/2013	1-Apr-13	4/1/2013
20-Mar-13	3/20/2013	11-Apr-13	4/11/2013
14-Apr-13	4/14/2013	1-May-13	5/1/2013
1-May-13	5/6/2013	6-May-13	5/6/2013
25-Sep-13	9/25/2013	10-Oct-13	10/10/2013
10-Oct-13	10/10/2013	10-Oct-13	10/10/2013
13-May-10	5/13/2010	13-May-10	5/13/2010
9-Aug-13	8/14/2013	14-Aug-13	8/14/2013
29-Oct-07		3-Feb-11	2/3/2011
29-Oct-07		29-Oct-07	10/29/2007
19-Feb-08		19-Feb-08	2/19/2008
20-May-08		20-May-08	5/20/2008
30-May-08		30-May-08	5/30/2008
2-Sep-08		2-Sep-08	9/2/2008
21-Nov-08		21-Nov-08	2/3/2011
2-Dec-08		16-Dec-08	12/16/2008
8-Dec-08		8-Dec-08	12/8/2008
16-Dec-08		16-Dec-08	12/16/2008
9-Feb-09		9-Feb-09	2/9/2009
23-Apr-09		23-Apr-09	4/23/2009
5-May-09		5-May-09	2/3/2011
3-Sep-09		8-Sep-09	9/8/2009
8-Sep-09		8-Sep-09	9/8/2009
16-Oct-09		16-Oct-09	10/16/2009
2-Nov-09		2-Nov-09	11/2/2009
1-Feb-10		1-Feb-10	2/1/2010
2-Feb-10		2-Feb-10	2/2/2010
2-Feb-10		2-Feb-10	2/2/2010
8-Feb-10		9-Feb-10	2/9/2010
1-Mar-10		1-Mar-10	3/1/2010
5-Mar-10		5-Mar-10	3/5/2010
7-Oct-10	10/7/2010	7-Oct-10	2/3/2011
19-Oct-10	10/19/2010	19-Oct-10	10/19/2010
27-Oct-10	10/27/2010	27-Oct-10	10/27/2010
2-Dec-10	12/2/2010	2-Dec-10	2/3/2011
6-Dec-10	12/6/2010	6-Dec-10	12/6/2010
6-Dec-10	12/6/2010	6-Dec-10	12/6/2010
27-Dec-10	12/27/2010	27-Dec-10	12/27/2010
3-Jan-11	1/3/2011	3-Jan-11	1/3/2011
3-Jan-11	1/3/2011	3-Jan-11	1/3/2011
7-Jan-11	1/7/2011	7-Jan-11	1/7/2011
15-Feb-11	2/15/2011	15-Feb-11	2/15/2011
24-Mar-11	3/24/2011	24-Mar-11	3/24/2011
31-May-11	5/31/2011	31-May-11	5/31/2011
9-Jun-11	6/9/2011	9-Jun-11	6/9/2011
18-Jul-11	7/18/2011	18-Jul-11	7/18/2011
18-Aug-11	8/18/2011	18-Aug-11	8/18/2011
7-Sep-11	9/7/2011	7-Sep-11	9/7/2011
24-Oct-11	10/24/2011	24-Oct-11	10/24/2011
9-Nov-11	11/9/2011	9-Nov-11	11/9/2011
3-Jan-12	1/3/2012	3-Jan-12	1/3/2012
18-Jan-12	1/18/2012	18-Jan-12	1/18/2012
24-Jan-12	2/14/2012	14-Feb-12	2/14/2012
24-Jan-12	1/24/2012	24-Jan-12	1/24/2012



Category 3		94	94
Category 3		200	200
Category 3		750	750
Category 3		30	30
Category 3		10	10
Category 3	250	250	250
Category 3	550	550	550
Category 3		250	250
Category 3		100	0
Category 3		50	0
Category 3		50	0
Category 3		200	200
Category 3		50	0
Category 3		50	0
Category 1		90	0
Category 3		10	10
Category 1		1000000	500000
Category 3		50	0
Category 3		50	0
Category 3		50	0
Category 3		50	0
Category 3		100	0
Category 2		1000	0
Category 3		10	0
Category 3		50	0
Category 3		200	150
Category 3		100	20
Category 3		80	0
Category 3		50	0
Category 1		600	100
Category 3		20	10
Category 3		40	30
Category 3		30	0
Category 3		30	30
Category 3		10	10
Category 3		30	0
Category 3		40	30
Category 3		30	0
Category 3		50	0
Category 3		15	0
Category 3		15	0
Category 3		50	0
Category 3		40	0
Category 3		20	0
Category 3		400	0
Category 3		30	0
Category 3		75	0
Category 3		15	0
Category 3		20	0
Category 3		15	0
Category 1		200	50
Category 3		15	15
Category 3		20	0
Category 1		100	25
Category 1		100	25

0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
No	No
No	No
No	No
0 No	Yes
0 No	No
90 Yes	Yes
0 No	No
500000 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
300 Yes	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
150 Yes	Yes
0 No	No
0 No	No
75 Yes	No
75 Yes	No

[illegible]

Verdon Ln, South Lake Tahoe, CA MH369  
1491 Chinguapin dr. South Lake Tahoe, Ca.  
2165 Shawnee  
783 Montezuma Dr./ TK MH 287  
3607 Aspen Ave.  
3471 Lake Tahoe Blvd  
Intersection of Forest Ave. and Pine Grove Ave.  
Sewer Main C4 to W1  
1740 Navajo Ct. Property line cleanout  
Manhole # O-22  
Manhole # O-22  
370 N Fairfield AVE  
288 Maple Street  
770 Monte Vista  
Manhole I22  
310 Carrol Street  
Sleepy Hallow MHP           manhole H4  
Manhole F 7  
Manhole J-22  
Manhole F18  
Fitzgerald Ranch  
Burma Road  
Easement north of Cherry Terrace  
Dillon Court  
Manhole J74  
Manhole F-7 end of Parkdale  
Manhole J-74 in North Street  
MAnhole F-14  
Manhole J3  
Manhole E-6  
manhole S-37  
Manhole S 29  
310 N Roop Street, Susanville, CA 96130  
S-27  
Manhole R-7  
Manhole B1-8  
Manhole N49  
Manhole B-2  
Manhole A-4  
Manhole N-16  
Manhole- N11  
Manhole N-18  
Manhole J101  
Manhole V33  
4th st. manhole L-11  
Manhole U-3  
manhole B2  
N-30  
L-41 cleanout  
Manhole J-2  
Manhole I22  
551 Lakewood Way, Susanville, CA 96130  
600 Cypress Street  
880 chestnut street  
880 chestnut street

38.93756	-119.94787 El Dorado
38.91652	-119.96684 El Dorado
38.85553	-120.03135 El Dorado
38.92665	-119.99916 El Dorado
38.94504	-119.9567 El Dorado
38.94617	-119.96466 El Dorado
38.94927	-119.95013 El Dorado
39.19914	-120.23532 Placer
39.20146	-120.23327 Placer
40.413979	120.651531 Lassen
40.413979	120.651531 Lassen
40.417005	-120.640764 Lassen
40.421757	-120.659861 Lassen
40.435968	-120.658965 Lassen
40.422191	-120.662268 Lassen
40.413974	-120.661891 Lassen
40.4221	120.6341 Lassen
40.423832	120.658515 Lassen
40.420135	120.659761 Lassen
40.423786	120.657553 Lassen
40.419455	-120.641013 Lassen
40.421343	-120.663208 Lassen
40.428049	-120.665143 Lassen
40.422809	-120.660293 Lassen
40.418613	-120.653551 Lassen
40.423926	-120.658479 Lassen
40.418804	-120.654352 Lassen
40.426494	-120.659751 Lassen
40.422506	-120.66604 Lassen
40.425998	-120.663897 Lassen
40.40964	-120.655449 Lassen
40.413381	-120.655344 Lassen
40.421904	-120.661856 Lassen
40.411538	-120.655319 Lassen
40.4118	-120.66471 Lassen
40.41628	-120.65301 Lassen
40.41569	-120.66137 Lassen
40.43464	-120.66098 Lassen
40.43226	-120.66642 Lassen
40.41706	-120.66141 Lassen
40.41765	-120.66448 Lassen
40.41726	-120.66088 Lassen
40.42156	-120.66021 Lassen
40.41628	-120.65301 Lassen
40.417397	-120.640547 Lassen
40.40639	-120.66262 Lassen
40.434133	-120.661195 Lassen
40.416289	-120.662856 Lassen
40.415835	-120.64178 Lassen
40.422404	-120.660436 Lassen
40.42195	-120.66244 Lassen
40.431963	-120.66401 Lassen
40.411442	-120.665285 Lassen
40.423786	-120.657553 Lassen
40.423786	-120.657553 Lassen

[illegible]

Discharge was from MH JN369 Grid Q-23

Parking lot behind CVS Pharmacy

The spill originated at a joint separation next to the lateral serving Squaw Valley Realty at 1605 Christ Lane  
Property line cleanout in driveway

street manhole

manhole I22

Manhole in open field

Easement on Fitzgerald Ranch

In easement north of Cherry Terrace behind house at 920 Cherry Terrace Lane

Manhole I-22-J-10

Manhole  
Manhole R-7  
Manhole F-18  
Manhole F-18

1  
1



[illegible]

The vast majority of the spill exited out a customers sewer clean-out.

Customer clean-out

Leaked from debris tank of vacuum truck

Spill originated at the cleanout in the rear of the structure

Property line cleanout

seeped out of manhole

Manhole in field

Cleanout

Other (specify below)  
Building or structure  
Other (specify below)  
Street/curb and gutter  
Unpaved surface  
Paved Surface  
Separate Storm Drain;Street/Curb and Gutter  
Other (specify below)  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Storm drain  
Other paved surface  
Other (specify below)  
Unpaved surface  
Street/curb and gutter  
Other paved surface  
Unpaved surface  
Other paved surface  
Unpaved surface  
Unpaved surface  
Other paved surface  
Other paved surface  
Other paved surface;Storm drain  
Other paved surface  
Unpaved surface  
Surface water;Unpaved surface  
Unpaved surface  
Storm drain;Street/curb and gutter  
Other paved surface  
Other paved surface  
Street/curb and gutter  
Street/curb and gutter  
Other paved surface  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Other paved surface  
Street/curb and gutter  
Other paved surface  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Other paved surface  
Other paved surface;Separate storm drain;Street/curb and gutter  
Other paved surface  
Other paved surface  
Other (specify below)  
Other (specify below)

Drop Inlet box.

Paved Driveway and a large catch basin

The spill was contained by snow banks and sand bags. The final destination was to follow a drainage swale in the parking lot. The spill evaporated.

Around Manhole

Barry Reservoir - reservoir is dry no out flow

75 gallons went to Paiute Creek other 25 gallons cleaned up with bleach  
75 gallons went to Paiute Creek other 25 gallons cleaned up with bleach

12/7/2012 7:45	12/7/2012 8:00	12/7/2012 8:25	12/7/2012 8:32
3/13/2013 13:15	3/13/2013 16:00	3/13/2013 16:15	3/13/2013 13:30
3/20/2013 11:29	3/20/2013 11:29	3/20/2013 11:44	3/20/2013 11:45
4/13/2013 10:45	4/13/2013 10:45	4/13/2013 11:10	4/13/2013 11:58
4/29/2013 17:50	4/29/2013 17:50	4/29/2013 18:15	4/29/2013 18:45
9/24/2013 9:30	9/24/2013 9:30	9/24/2013 9:30	9/24/2013 9:31
10/9/2013 19:55	10/9/2013 18:55	10/9/2013 20:15	10/9/2013 19:40
4/14/2010 9:30	4/14/2010 9:40	4/14/2010 10:00	4/14/2010 10:40
7/19/2013 12:00	7/20/2013 16:00	7/20/2013 16:30	7/20/2013 15:00
10/26/2007 18:18	10/26/2007 18:28	10/26/2007 18:48	10/26/2007 18:58
10/26/2007 18:18	10/26/2007 18:28	10/26/2007 18:48	10/26/2007 18:58
2/15/2008 8:15	2/15/2008 8:30	2/15/2008 8:45	2/15/2008 8:59
5/19/2008 10:15	5/19/2008 10:15	5/19/2008 10:30	5/19/2008 10:40
5/29/2008 9:30	5/29/2008 9:35	5/29/2008 9:40	5/29/2008 9:50
8/31/2008 19:00	8/31/2008 19:33	8/31/2008 20:00	8/31/2008 20:12
11/20/2008 8:02	11/20/2008 8:02	11/20/2008 8:15	11/20/2008 8:25
12/1/2008 12:00	12/2/2008 11:15	12/2/2008 11:40	12/2/2008 12:30
12/8/2008 9:00	12/8/2008 9:30	12/8/2008 9:40	12/8/2008 9:50
12/15/2008 18:20	12/15/2008 18:30	12/15/2008 18:45	12/15/2008 19:00
2/8/2009 10:05	2/8/2009 10:17	2/8/2009 10:30	2/8/2009 10:35
4/23/2009 9:00	4/23/2009 9:30	4/23/2009 9:35	4/23/2009 9:45
5/4/2009 8:00	5/4/2009 8:10	5/4/2009 8:20	5/4/2009 8:30
9/3/2009 10:00	9/3/2009 13:30	9/3/2009 13:50	9/3/2009 15:30
9/5/2009 9:30	9/5/2009 9:45	9/5/2009 10:10	9/5/2009 10:20
10/11/2009 10:30	10/11/2009 11:03	10/11/2009 11:15	10/11/2009 11:30
11/1/2009 17:30	11/1/2009 17:45	11/1/2009 17:50	11/1/2009 18:15
1/31/2010 18:00	1/31/2010 17:41	1/31/2010 17:55	1/31/2010 18:05
2/1/2010 14:00	2/1/2010 14:00	2/1/2010 14:05	2/1/2010 14:15
2/2/2010 11:00	2/2/2010 11:50	2/2/2010 11:55	2/2/2010 12:05
2/7/2010 0:00	2/7/2010 14:30	2/7/2010 14:45	2/7/2010 15:15
3/1/2010 7:30	3/1/2010 7:35	3/1/2010 8:00	3/1/2010 8:05
3/4/2010 15:45	3/4/2010 15:55	3/4/2010 16:05	3/4/2010 16:15
10/6/2010 0:00	10/6/2010 17:45	10/6/2010 18:05	10/6/2010 18:55
10/18/2010 0:00	10/18/2010 8:31	10/18/2010 8:45	10/18/2010 8:55
10/27/2010 0:00	10/27/2010 7:30	10/27/2010 7:45	10/27/2010 7:50
12/1/2010 0:00	12/1/2010 10:10	12/1/2010 10:20	12/1/2010 0:25
12/4/2010 0:00	12/4/2010 9:30	12/4/2010 9:45	12/4/2010 9:50
12/5/2010 0:00	12/5/2010 16:43	12/5/2010 17:00	12/5/2010 17:05
12/27/2010 0:00	12/27/2010 8:30	12/27/2010 8:45	12/27/2010 8:55
12/31/2010 10:45	12/31/2010 11:00	12/31/2010 11:15	12/31/2010 11:30
12/31/2010 11:20	12/31/2010 11:30	12/31/2010 11:35	12/31/2010 11:40
1/6/2011 16:15	1/6/2011 16:00	1/6/2011 16:00	1/6/2011 16:15
2/15/2011 10:45	2/15/2011 10:56	2/15/2011 11:00	2/15/2011 11:06
3/24/2011 9:00	3/24/2011 9:15	3/24/2011 9:25	3/24/2011 9:30
5/29/2011 18:45	5/29/2011 19:00	5/29/2011 19:05	5/29/2011 19:20
6/7/2011 12:30	6/7/2011 12:58	6/7/2011 13:11	6/7/2011 13:18
7/14/2011 16:50	7/14/2011 16:59	7/14/2011 17:10	7/14/2011 17:15
8/17/2011 12:25	8/17/2011 12:33	8/17/2011 12:45	8/17/2011 13:10
9/6/2011 8:40	9/6/2011 8:56	9/6/2011 9:10	9/6/2011 9:15
10/23/2011 18:45	10/23/2011 18:55	10/23/2011 19:15	10/23/2011 19:20
11/8/2011 11:00	11/8/2011 13:25	11/8/2011 13:35	11/8/2011 13:40
12/30/2011 10:00	12/30/2011 10:00	12/30/2011 10:15	12/30/2011 10:20
1/18/2012 8:10	1/18/2012 8:10	1/18/2012 8:23	1/18/2012 8:45
1/23/2012 0:00	1/23/2012 15:38	1/23/2012 15:43	1/23/2012 16:20
1/23/2012 0:00	1/23/2012 15:38	1/23/2012 15:43	1/23/2012 16:20

Debris-General  
Other (specify below)  
Debris-Rags  
Root intrusion  
Debris-Rags  
Other (specify below)  
Debris-Rags  
Pipe structural problem/failure  
Root intrusion  
Root intrusion  
Root intrusion  
Pipe structural problem/failure  
Grease deposition (FOG)  
Vandalism  
Root intrusion  
Grease deposition (FOG)  
Vandalism  
Grease deposition (FOG)  
Debris  
Debris-General  
Pump station failure  
Debris-General  
Grease deposition (FOG)  
Debris-General  
Debris-General  
Grease deposition (FOG)  
Debris-General  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Root intrusion  
Debris-General  
Grease deposition (FOG)  
Debris-General  
Root intrusion  
Debris-General  
Grease deposition (FOG)  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Root intrusion  
Debris-General  
Grease deposition (FOG)  
Debris-Rags  
Debris-Rags  
Root intrusion  
Root intrusion  
Debris-Rags  
Debris-Rags  
Debris-Rags  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)

Root ball and rags. After post Tv'ing no root intrusion was found.

A different dept. was flushing a potable water fire hydrant to the gravity sewer main and over pumped its capacity

Hydraulic locks depressurized on debris tank

Orange traffic cone in main line

Main  
Main  
Main  
Main  
Main  
Other (specify below)  
Gravity Mainline  
Main  
Lower Lateral

Main  
Main  
Main  
Main  
Main  
Main  
Main

Other (specify below)  
Main

Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main



Rear of combination vehicle

Seperated joint

4 main line

Traffic cone in down stream out let pipe

Pump Control System

6 AC

No  
No

6 VC

4 pvc

6 pvc

4

4

6 VCP

12 ductil iron

6

6 VCP

4 clay

8

4 vcp

6 ac

6 cp

8 ac

8 ac

34

20  
10

30



Mobilized sand bags to contain flow, used Vac-Con sewer cleaner to clear the obstruction and clean and vacume debris f

8/31/2008 20:48

12/2/2008 14:30

9/3/2009 18:30

2/7/2010 15:30

3/4/2010 16:30

11/8/2011 16:00

1/23/2012 16:20

1/23/2012 16:20

Added sewer to preventive maintenance program

Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program

Plan rehabilitation or replacement of sewer

Added sewer to preventive maintenance program

Added sewer to preventive maintenance program

Secure manhole lid

Check more often



No

Yes

No

Yes

No

Yes

No

No

Reached dry reservoir

NA

No

No

No

No

No

No

No

No

NA

NA

NA

NA

NA

None

Paiute

Barry Reservoir

N/A  
NA

Paiute Creek

NA  
N/A  
None  
none  
n/a  
None  
None  
None  
none  
none  
None  
N/A  
None  
none  
none  
N/A  
NA  
none  
NA  
Paiute Creek  
None  
None  
Paiute Creek  
Paiute Creek

No water quality samples taken

Biological indicator(s) - specify below

No water quality samples taken

Biological indicator(s) - specify below

Not applicable to this spill

Other (specify below)

Not applicable to this spill

Not applicable to this spill

Total and Fecal Coliform

Total Coliform, Fecal Coliform, Total Nitrogen

Nitrates

None of the above

Regional Water Quality Control Board

None of the above

Regional Water Quality Control Board;None of the above

Not applicable to this spill

Regional Water Quality Control Board

Not applicable to this spill

Not applicable to this spill



No results to date



88669 12/3/2008 11:00

96115 9/3/2009 15:00

100989 2/7/2010 6:15

116659 11/8/2011 16:03  
12/30/2011 11:02  
1/18/2012 8:23

Doug Van Gorden Underground Repair Supervisor  
Doug Van Gorden/ Underground Repair Supervisor

5305436253  
15305436253

6SSO11117	Active	778040 Randy OHern	Certified
6SSO11117	Active	780883 Randy O'Hern	Certified
6SSO11117	Active	781116 Randy OHern	Certified
6SSO11117	Active	781118 Randy OHern	Certified
6SSO11117	Active	786099 Randy OHern	Certified
6SSO11117	Active	787999 Randy OHern	Certified
6SSO11117	Active	788254 Randy OHern	Certified
6SSO11117	Active	790174 Randy OHern	Certified
6SSO11117	Active	790689 Randy OHern	Certified
6SSO11117	Active	791733 Randy OHern	Certified
6SSO11117	Active	792872 Randy OHern	Certified
6SSO11117	Active	793854 Randy OHern	Certified
6SSO11117	Active	797761 Randy O'Hern	Certified
6SSO11117	Active	798011 Randy O'Hern	Certified
6SSO11117	Active	799500 Randy OHern	Certified
6SSO11118	Active	715816 Tony Laliotis	Certified
6SSO11118	Active	722810 Tony Laliotis	Certified
6SSO11118	Active	724426 Tony Laliotis	Certified
6SSO11118	Active	727945 Tony Laliotis	Certified
6SSO11118	Active	730991 Tony Laliotis	Certified
6SSO11118	Active	738527 Tony Laliotis	Certified
6SSO11118	Active	755639 Tony Laliotis	Certified
6SSO11118	Active	767869 Tony Laliotis	Certified
6SSO11118	Active	771129 Tony Laliotis	Certified
6SSO11118	Active	775433 Tony Laliotis	Certified
6SSO11118	Active	781017 Tony Laliotis	Certified
6SSO11118	Active	789225 Tony Laliotis	Certified
6SSO11118	Active	796481 Tony Laliotis	Certified
6SSO11120	Active	706198 Tom Selfridge	Certified
6SSO11120	Historical	706198 Tom Selfridge	Certified
6SSO11120	Active	712343 Tom Selfridge	Certified
6SSO11120	Historical	712343 Tom Selfridge	Certified
6SSO11120	Active	725778 Tom Selfridge	Certified
6SSO11120	Historical	725778 Tom Selfridge	Certified
6SSO11120	Active	738402 T. Selfridge	Certified
6SSO11120	Historical	738402 T. Selfridge	Certified
6SSO11120	Active	738406 T. Selfridge	Certified
6SSO11120	Historical	738406 T. Selfridge	Certified
6SSO11120	Active	740865 Tom Selfridge	Certified
6SSO11120	Historical	740865 Tom Selfridge	Certified
6SSO11120	Active	742953 Tom Selfridge	Certified
6SSO11120	Historical	742953 Tom Selfridge	Certified
6SSO11120	Active	745494 Thomas S. Selfridge	Certified
6SSO11120	Historical	745494 Thomas S. Selfridge	Certified
6SSO11120	Active	745544 Thomas S. Selfridge	Certified
6SSO11120	Historical	745544 Thomas S. Selfridge	Certified
6SSO11120	Active	757967 Thomas S. Selfridge	Certified
6SSO11120	Historical	757967 Thomas S. Selfridge	Certified
6SSO11120	Active	766617 Tom Selfridge	Certified
6SSO11120	Historical	766617 Tom Selfridge	Certified
6SSO11120	Active	769671 Thomas Selfridge	Certified
6SSO11120	Historical	769671 Thomas Selfridge	Certified
6SSO11120	Active	782590 Denny Anderson	Certified
6SSO11120	Historical	782590 Denny Anderson	Certified
6SSO11120	Active	786949 Denny Anderson	Certified

General Manager  
General Manager  
General Manager  
General Manager  
General Manager  
General Manager  
General Manager  
General Manager  
General Manager  
General Manager  
General Manager  
General Manager  
General Manager  
General Manager  
General Manager  
Director of Utilities  
Director of Utilities  
Director of Utilities  
Director of Utilities  
Director of Utilities  
Dir. Of Utilities  
Director of Utilities  
Director of Utilities  
Dir. of Utilities  
Director of Utilities  
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General Manager  
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General Manager  
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Genaeral Manager  
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General Manager  
General Manager  
Genaeral Manager  
Genaeral Manager  
General Manager  
General Manager  
General Manager/Chief Engineer  
General Manager/Chief Engineer  
General Manager/Chief Engineer  
General Manager/Chief Engineer  
General Manager/Chief Engineer  
General Manager/Chief Engineer  
General Manager/Chief Engineer  
General Manager/Chief Engineer  
General Manager/Chief Engineer  
O & M Superintendent  
O & M Superintendent  
O & M Superintendent

45 S. Roop St.	407778
45 S. Roop Street	395633
45 S. Roop Street	318021
45 S. Roop St.	566890
45 S. Roop st.	683674
45 S. Roop Street	101574
45 South Street	572229
45 S. Roop St	650059
45 S. Roop St.	571097
45 S. Roop St., Susanville, ca	597940
45 S. Roop Street	580457
45 S. Roop Street	885700
45 S. Roop Street	514610
45 S. Roop Street	339361
45S. Roop Street	791009
Tahoe City, CA	278766
Tahoe City, CA	923207
Tahoe City, CA	140922
Tahoe City CA	441741
Tahoe City, CA	253254
Tahoe City, CA	648955
Tahoe City, CA	848909
Tahoe City, CA	545590
Tahoe City, CA	505714
Tahoe City, CA	811112
Tahoe City, CA	116409
Tahoe City, CA	879627
Tahoe City	119383
Truckee, CA	967594
Truckee, CA	967594
Truckee, CA	912971
Truckee, CA	912971
Truckee, CA	246027
Truckee, CA	246027
TSD Truckee, CA	572965
TSD Truckee, CA	572965
TSD Truckee, CA	692520
TSD Truckee, CA	692520
TSD	605005
TSD	605005
TSD	883672
TSD	883672
Truckee	551307
Truckee	551307
Truckee	672608
Truckee	672608
Truckee, CA	247576
Truckee, CA	247576
Truckee	851761
Truckee	851761
Truckee	965800
Truckee	965800
Truckee	250920
Truckee	250920
Truckee	117825

27-Feb-12	2/27/2012	29-Feb-12	2/29/2012
1-May-12	5/1/2012	1-May-12	5/1/2012
9-May-12	5/9/2012	9-May-12	5/9/2012
9-May-12	5/9/2012	9-May-12	5/9/2012
11-Sep-12	9/11/2012	11-Sep-12	9/11/2012
13-Nov-12	11/13/2012	13-Nov-12	11/13/2012
20-Nov-12	11/20/2012	20-Nov-12	11/20/2012
11-Jan-13	1/11/2013	11-Jan-13	1/11/2013
23-Jan-13	1/23/2013	23-Jan-13	1/23/2013
15-Feb-13	2/15/2013	15-Feb-13	2/15/2013
25-Mar-13	3/25/2013	25-Mar-13	3/25/2013
2-May-13	5/2/2013	2-May-13	5/2/2013
12-Aug-13	8/12/2013	12-Aug-13	8/12/2013
19-Aug-13	8/19/2013	19-Aug-13	8/19/2013
7-Oct-13	10/7/2013	7-Oct-13	10/7/2013
4-Apr-08		4-Apr-08	4/4/2008
18-Jul-08		18-Jul-08	7/18/2008
8-Aug-08		8-Aug-08	8/8/2008
15-Oct-08		15-Oct-08	10/15/2008
22-Dec-08		22-Dec-08	12/22/2008
4-Jun-09		4-Jun-09	6/4/2009
30-Jul-10	7/30/2010	30-Jul-10	7/30/2010
27-Jun-11	6/27/2011	27-Jun-11	6/27/2011
16-Sep-11	9/16/2011	16-Sep-11	9/16/2011
5-Jan-12	1/5/2012	5-Jan-12	1/5/2012
7-May-12	5/7/2012	7-May-12	5/7/2012
20-Dec-12	12/20/2012	20-Dec-12	12/20/2012
3-Jul-13	7/3/2013	3-Jul-13	7/3/2013
23-Oct-07		24-Oct-07	10/24/2007
23-Oct-07		24-Oct-07	10/24/2007
5-Feb-08		5-Feb-08	9/4/2008
5-Feb-08		5-Feb-08	9/4/2008
4-Sep-08		4-Sep-08	9/4/2008
4-Sep-08		4-Sep-08	9/4/2008
2-Jun-09		2-Jun-09	6/2/2009
2-Jun-09		2-Jun-09	6/2/2009
2-Jun-09		2-Jun-09	6/2/2009
2-Jun-09		2-Jun-09	6/2/2009
8-Jul-09		8-Jul-09	7/8/2009
8-Jul-09		8-Jul-09	7/8/2009
12-Aug-09		12-Aug-09	8/12/2009
12-Aug-09		12-Aug-09	8/12/2009
8-Oct-09		2-Dec-10	12/2/2010
8-Oct-09		2-Dec-10	12/2/2010
12-Oct-09		2-Dec-10	12/2/2010
12-Oct-09		2-Dec-10	12/2/2010
20-Oct-10	10/20/2010	20-Oct-10	10/20/2010
20-Oct-10	10/20/2010	20-Oct-10	10/20/2010
17-May-11	5/17/2011	17-May-11	5/17/2011
17-May-11	5/17/2011	17-May-11	5/17/2011
10-Aug-11	8/10/2011	10-Aug-11	8/10/2011
10-Aug-11	8/10/2011	10-Aug-11	8/10/2011
27-Jun-12	6/27/2012	3-Jul-12	7/3/2012
27-Jun-12	6/27/2012	3-Jul-12	7/3/2012
4-Oct-12	10/4/2012	16-Oct-12	10/16/2012



Category 1		14000	1000
Category 3		20	0
Category 3		5	0
Category 3		50	0
Category 3		30	0
Category 3		40	0
Category 3		150	0
Category 3		20	20
Category 3		20	0
Category 1		100	0
Category 3		60	0
Category 3		50	0
Category 3		20	0
Category 3		30	0
Category 3	30	30	0
Category 3		100	100
Category 3		50	25
Category 3		300	300
Category 3		20	10
Category 3		50	50
Category 3		400	300
Category 3		20	0
Category 3		30	30
Category 3		90	90
Category 3		50	50
Category 3		300	200
Category 2		1000	20
Category 3		150	100
Category 3		3	3
Category 3		3	3
Category 3		50	50
Category 3		50	50
Category 3		700	700
Category 3		700	700
Category 3		10	0
Category 3		10	0
Category 3		10	8
Category 3		10	8
Category 3		50	10
Category 3		50	10
Category 3		75	25
Category 3		75	25
Category 3		25	20
Category 3		25	20
Category 3		25	25
Category 3		25	25
Category 3		5	5
Category 3		5	5
Category 3		50	0
Category 3		50	0
Category 3		200	0
Category 3		200	0
Category 3		2	2
Category 3		2	2
Category 2		13000	0

13000 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
100 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
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0 No	Yes
0 No	Yes
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0 No	No
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No

Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach a separate storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
Yes

Yes  
Yes  
Not Applicable - Spill did not reach storm drainpipe  
Not Applicable - Spill did not reach storm drainpipe  
Yes  
Yes

[illegible]

Manhole H4  
Clean-out L-41  
Manhole H40  
Manhole S42  
Manhole I-28  
Manhole F-18  
manhole H-53  
110 S. Gay street  
Manhole B-5  
Manhole F18  
Manhole K-9  
Manhole J 44  
Manhole B-3  
manhole J63  
Manhole A-3  
3550 Courchevel  
6828 West Lake Blvd  
108 Marlette Drive  
631 Bunker Drive  
1390 Woodland Way  
2nd Avenue Tahoma  
6900 West Lake Blvd  
160 Tahoe Ski Bowl Way  
Lakeside Trail Phase 6  
407 Bayview  
Drum Road  
2780 Lake Terrace Avenue  
2690 Lake Forest Rd  
TD14-B06 Bennett Flat  
TD14-B06 Bennett Flat  
10571 Dogwood  
10571 Dogwood  
Glenshire Drive Force Main  
Glenshire Drive Force Main  
11709 Tundra Truckee, CA  
11709 Tundra Truckee, CA  
TD24-B05  
TD24-B05  
CT02-B18  
CT02-B18  
DL07-J05  
DL07-J05  
Tahoe Forest Hospital Admin Building  
Tahoe Forest Hospital Admin Building  
Tahoe Forest Hospital CT05-A16  
Tahoe Forest Hospital CT05-A16  
Donner Plaza  
Donner Plaza  
Truckee River Regional Park  
Truckee River Regional Park  
Zermatt  
Zermatt  
Gramstad  
Gramstad  
Glenshire Drive

40.55964	-120.60438 Lassen
40.41603	-120.64666 Lassen
40.41183	-120.637 Lassen
40.41222	-120.65353 Lassen
40.42175	-120.66358 Lassen
40.42377	-120.65796 Lassen
40.41895	-120.63476 Lassen
40.41716	-120.6611 Lassen
40.43343	-120.66194 Lassen
40.423786	-120.657553 Lassen
40.42015	-120.64944 Lassen
40.421465	-120.657763 Lassen
40.43416	-120.65892 Lassen
40.41978	-120.65507 Lassen
40.43193	-120.66518 Lassen
39.147034	-120.205288 Placer
39.068611	-120.13369 Placer
39.188789	-120.100438 Placer
39.174768	-120.146046 Placer
39.14741	-120.152224 Placer
39.060154	-120.125599 El Dorado
39.069167	-120.130556 Placer
39.080573	-120.160293 Placer
39.17341	-120.135754 Placer
39.0334599	-120.1217874 El Dorado
39.04204	-120.12217 El Dorado
39.18278	-120.114076 Placer
39.18382	-120.1155 Placer
39.344947	120.207844 Nevada
39.344947	120.207844 Nevada
39.316097	120.286864 Placer
39.316097	120.286864 Placer
39.366147	120.088192 Nevada
39.366147	120.088192 Nevada
39.339519	-120.199006 Nevada
39.339519	-120.199006 Nevada
39.334083	-120.183206 Nevada
39.334083	-120.183206 Nevada
39.332778	-120.215 Nevada
39.332778	-120.215 Nevada
39.328192	-120.260456 Nevada
39.328192	-120.260456 Nevada
39.325814	-120.200733 Nevada
39.325814	-120.200733 Nevada
39.324611	-120.199969 Nevada
39.324611	-120.199969 Nevada
39.325542	-120.208 Nevada
39.325542	-120.208 Nevada
39.328728	-120.171939 Nevada
39.328728	-120.171939 Nevada
39.341217	-120.219525 Nevada
39.341217	-120.219525 Nevada
39.329167	-120.254333 Nevada
39.329167	-120.254333 Nevada
39.354622	-120.114736 Nevada

[illegible]

## Manhole

Spill occurred within garage structure and confined to structure.

Backyard of residence listed above.

Spill occurred out of private lateral clean out located in driveway 108 Marlette Dr

Spill location was a property line cleanout of a shared common service lateral.

Spill from property line cleanout for 1390 Woodland Way.

Spill out of manhole located in paved roadway adjacent to 7193 2nd Avenue, Tahoma, CA

Easement located between West Lake Blvd and Lake Tahoe

Sewage backed up into residents tub/shower but did not overflow.

Spill located at the rear of the address in a construction area for Lakeside Bike Trail Phase 6. The spill location was approx

Spill came out of property line clean out for 407 Bayview Dr.

Spill was from a manhole located near the highway shoulder of SR89 just north of Meeks Bay Resort, directly across from Edge of pavement in front of 2780 Lake Terrace Avenue. Sewage surfaced and ran down edge of pavement to a low spot

In front of address @ Property Line Clean

In front of address @ Property Line Clean

Property Line Cleanout in the driveway in front of residence.

Property Line Cleanout in the driveway in front of residence.

In front of address near the east property line

In front of address near the east property line

Shoulder of Road

Shoulder of Road

Behind the Tahoe Forest Hospital Admin Building MH CT 05-C01

Behind the Tahoe Forest Hospital Admin Building MH CT 05-C01

Spill was located near culvert in vacant lot at the corner of Donner Pass Rd and SR 89 S

Spill was located near culvert in vacant lot at the corner of Donner Pass Rd and SR 89 S

Regional Park below the Rodeo Grounds

Regional Park below the Rodeo Grounds

This was reported to TSD approximately two days after it most likely occurred. The lower level of the two story 11093 Zenith

This was reported to TSD approximately two days after it most likely occurred. The lower level of the two story 11093 Zenith

Inside house, downstairs bathroom, tub overflow.

Inside house, downstairs bathroom, tub overflow.

Spill release came from a Manhole at this location

roximately 30 feet west of the actual La  
i Drum Road.  
t in front of next door neighbors propert

matt and the interior of the single story ´  
matt and the interior of the single story ´



Manhole  
Other sewer system structure  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Gravity Mainline  
Building or structure  
Manhole  
Other (specify)  
Other (specify)  
Other (specify)  
Manhole  
Force main or pressure sewer  
Building or structure  
Gravity sewer  
Other (specify)  
Manhole  
Other (specify)  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Other (specify)  
Other (specify)  
Force main or pressure sewer  
Force main or pressure sewer  
Gravity sewer  
Gravity sewer  
Manhole  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Gravity sewer  
Manhole  
Manhole  
Gravity sewer  
Gravity sewer  
Other (specify)  
Other (specify)  
Other (specify)  
Other (specify)  
Building or structure  
Building or structure  
Building or structure  
Building or structure  
Manhole

Clean-out

Property consists of two building, main home and detached garage/apartment. Spill appearance location was in garage/ε

Private lateral cleanout

Cleanout

4-inch property line cleanout

Cracked force main pipe

Sewage backed up into single family residence at spill address into tub/shower. Sewage was contained to shower area.

Property line clean out

Spill surfaced at the edge of pavement and from a trenchline of a new water main installation which occurred on approxia  
spill came from foundation clean out for commercial building and ran down parking lot and then puddled at edge of parkir

Property Line Cleanout in the driveway in front of residence.

Property Line Cleanout in the driveway in front of residence.

Property line cleanout.

Property line cleanout.

Private Contractor doing bypass of sewer line left discharge hose out of MH. When the pump was turned on sewage dis

Private Contractor doing bypass of sewer line left discharge hose out of MH. When the pump was turned on sewage dis

Bypass Hose used during lining operation

Bypass Hose used during lining operation

C/O of gravity sewer lateral

C/O of gravity sewer lateral

The interior of the two houses mentioned above. Carpets were already removed at 11079 and fans were operating. Car

The interior of the two houses mentioned above. Carpets were already removed at 11079 and fans were operating. Car

Inside house, downstairs bathroom, tub overflow.

Inside house, downstairs bathroom, tub overflow.

Surface water  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Surface water  
Unpaved surface  
Unpaved surface  
Street/curb and gutter  
Unpaved surface  
Paved Surface;Street/Curb and Gutter;Unpaved surface  
Building or structure  
Other (specify below)  
Other (specify below)  
Other paved surface  
Other paved surface  
Other (specify below)  
Other (specify below)  
Building or structure  
Other (specify below)  
Street/curb and gutter  
Unpaved surface  
Other (specify below)  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Other paved surface  
Other paved surface  
Other (specify below)  
Other (specify below)  
Street/curb and gutter  
Street/curb and gutter  
Other (specify below)  
Other (specify below)  
Unpaved surface  
Unpaved surface  
Storm drain;Street/curb and gutter  
Storm drain;Street/curb and gutter  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Building or structure  
Building or structure  
Other (specify below)  
Other (specify below)  
Unpaved surface

Traveled out of manhole into across turf and into landscaped area.

Storm Drain Drop Inlet Structure

Spill ran down concrete driveway and collected in front of a garage.

spill flowed off of edge of pavement into an unimproved roadside swale, migrated approximately 200 feet to the corner of driveway.  
Contained in dirt area.

Spill was contained in an existing foundation excavation that was being dug for an abutment structure.

Spill came out of clean out located in driveway for 407 Bay ran down driveway and pooled at base of driveway, then froze.  
Area is a large turnout for the highway, and spill puddled next to highway and never migrated.

Majority of the spill volume was contained in a water main trench which was installed on September 6, 2012. The spill volume  
spill came from foundation clean out for commercial building and ran down parking lot and then puddled at edge of parking lot.

Excavation Pit

Excavation Pit

Storm drain catch basin

Storm drain catch basin

Drop inlet catch basin

Drop inlet catch basin

Spill contained in excavation trench

Spill contained in excavation trench

On the ground around the lateral C/O

On the ground around the lateral C/O

Inside house, downstairs bathroom, tub overflow.

Inside house, downstairs bathroom, tub overflow.

2/26/2012 0:00	2/27/2012 11:15	2/27/2012 11:20	2/27/2012 11:30
5/1/2012 0:00	5/1/2012 11:55	5/1/2012 12:00	5/1/2012 12:10
5/8/2012 0:00	5/8/2012 15:40	5/8/2012 15:45	5/8/2012 15:50
5/8/2012 0:00	5/8/2012 14:23	5/8/2012 14:35	5/8/2012 14:45
9/9/2012 13:25	9/9/2012 13:35	9/9/2012 13:52	9/9/2012 14:05
11/10/2012 9:00	11/10/2012 9:10	11/10/2012 9:20	11/10/2012 9:30
11/20/2012 11:25	11/20/2012 11:30	11/20/2012 11:35	11/20/2012 11:40
1/11/2013 0:00	1/11/2013 11:38	1/11/2013 11:45	1/11/2013 11:50
1/22/2013 16:05	1/22/2013 16:25	1/22/2013 16:45	1/22/2013 16:55
2/15/2013 0:00	2/15/2013 11:23	2/15/2013 11:35	2/15/2013 11:38
3/23/2013 17:00	3/23/2013 17:26	3/23/2013 17:45	3/23/2013 17:50
5/1/2013 11:00	5/1/2013 11:15	5/1/2013 11:37	5/1/2013 11:55
8/11/2013 12:30	8/11/2013 12:40	8/11/2013 12:45	8/11/2013 12:45
8/18/2013 9:30	8/18/2013 9:57	8/18/2013 10:00	8/18/2013 10:15
10/5/2013 10:00	10/5/2013 10:16	10/5/2013 10:30	10/5/2013 10:42
4/3/2008 12:00	4/3/2008 17:00	4/3/2008 18:00	4/3/2008 12:30
7/15/2008 11:00	7/15/2008 12:45	7/15/2008 13:00	7/15/2008 13:00
8/7/2008 0:00	8/7/2008 12:00	8/7/2008 12:15	8/7/2008 12:45
10/13/2008 13:40	10/13/2008 13:40	10/13/2008 13:55	10/13/2008 13:55
12/22/2008 7:00	12/22/2008 9:30	12/22/2008 9:45	12/22/2008 9:50
5/31/2009 15:00	6/1/2009 9:45	6/1/2009 9:55	6/1/2009 10:20
7/29/2010 16:00	7/29/2010 17:40	7/29/2010 18:30	7/29/2010 17:00
6/22/2011 14:30	6/22/2011 15:53	6/22/2011 16:15	6/22/2011 16:30
9/15/2011 14:15	9/15/2011 14:20	9/15/2011 14:30	9/15/2011 14:50
12/31/2011 6:00	12/31/2011 10:40	12/31/2011 11:15	12/31/2011 11:25
5/7/2012 0:00	5/7/2012 7:06	5/7/2012 7:35	5/7/2012 7:45
9/6/2012 17:00	12/20/2012 13:30	12/20/2012 13:30	12/20/2012 14:00
7/3/2013 9:00	7/3/2013 10:00	7/3/2013 10:52	7/3/2013 11:10
10/8/2007 13:25	10/8/2007 13:25	10/8/2007 13:40	10/8/2007 14:00
10/8/2007 13:25	10/8/2007 13:25	10/8/2007 13:40	10/8/2007 14:00
1/20/2008 15:00	1/20/2008 15:40	1/20/2008 16:45	1/20/2008 17:00
1/20/2008 15:00	1/20/2008 15:40	1/20/2008 16:45	1/20/2008 17:00
9/3/2008 8:50	9/3/2008 8:50	9/3/2008 8:50	9/3/2008 8:55
9/3/2008 8:50	9/3/2008 8:50	9/3/2008 8:50	9/3/2008 8:55
5/21/2009 13:11	5/21/2009 14:10	5/21/2009 14:20	5/21/2009 14:50
5/21/2009 13:11	5/21/2009 14:10	5/21/2009 14:20	5/21/2009 14:50
5/27/2009 12:20	5/27/2009 12:40	5/27/2009 12:48	5/27/2009 1:00
5/27/2009 12:20	5/27/2009 12:40	5/27/2009 12:48	5/27/2009 1:00
6/18/2009 13:00	6/18/2009 13:40	6/18/2009 13:55	6/18/2009 14:10
6/18/2009 13:00	6/18/2009 13:40	6/18/2009 13:55	6/18/2009 14:10
7/23/2009 18:00	7/24/2009 20:23	7/24/2009 21:20	7/24/2009 22:15
7/23/2009 18:00	7/24/2009 20:23	7/24/2009 21:20	7/24/2009 22:15
9/18/2009 14:30	9/18/2009 14:30	9/18/2009 14:40	9/18/2009 15:35
9/18/2009 14:30	9/18/2009 14:30	9/18/2009 14:40	9/18/2009 15:35
9/25/2009 10:15	9/25/2009 10:15	9/25/2009 10:30	9/25/2009 12:30
9/25/2009 10:15	9/25/2009 10:15	9/25/2009 10:30	9/25/2009 12:30
10/14/2010 0:00	10/14/2010 10:01	10/14/2010 10:01	10/14/2010 10:10
10/14/2010 0:00	10/14/2010 10:01	10/14/2010 10:01	10/14/2010 10:10
5/14/2011 11:00	5/14/2011 11:30	5/14/2011 12:00	5/14/2011 13:00
5/14/2011 11:00	5/14/2011 11:30	5/14/2011 12:00	5/14/2011 13:00
5/25/2011 0:00	5/27/2011 10:30	5/27/2011 10:50	5/25/2011 0:00
5/25/2011 0:00	5/27/2011 10:30	5/27/2011 10:50	5/25/2011 0:00
6/20/2012 0:00	6/21/2012 12:00	6/21/2012 12:20	6/20/2012 20:05
6/20/2012 0:00	6/21/2012 12:00	6/21/2012 12:20	6/20/2012 20:05
10/3/2012 7:00	10/3/2012 7:15	10/3/2012 7:35	10/3/2012 9:30

Debri-Rags  
Debri-Rags  
Grease deposition (FOG)  
Grease deposition (FOG)  
Debri-General  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Root Intrusion  
Debris  
Other (specify below)  
Pipe structural problem/failure  
Root intrusion  
Root intrusion  
Root intrusion  
Pipe structural problem/failure  
Other (specify below)  
Pipe structural problem/failure  
Root intrusion  
Vandalism  
Other (specify below)  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Debri-General  
Debri-General  
Debri-General  
Debri-General  
Root intrusion  
Root intrusion  
Other (specify below)  
Other (specify below)  
Operator error  
Operator error  
Other (specify below)  
Other (specify below)  
Debri-General  
Debri-General  
Other (specify below)  
Other (specify below)  
Root intrusion  
Root intrusion  
Debri-General

County Jail by-passed grinder and discharged blankets and other rages to sewer

Construction debris and rocks from recent remodel of home caused blockage in 4-inch lower lateral.  
Possible root intrusion or root deposition from private lateral.  
Structural failure of sewer main due to natural gas main construction in 2006.

Pipe was damaged by heavy construction equipment driving over the pipe alignment.  
Large 2-3 inch rocks accumulated in sewer main just upstream of manhole 2690 causing debris to accumulate and event  
Excavation was being performed by a private contractor working for the Tahoe City PUD constructing a bike trail segmen  
Spill caused by root intrusion into 4 lower service lateral near connection to 6 main.  
Large coffee can was found in 6 sewer line causing debris to back up, eventually blocking the line.  
A single house service lateral was damaged by the installation of a new water main on September 6, 2012. The lateral br

A trace of grease was visible when we TV'd the line after breaking through the blockage.  
A trace of grease was visible when we TV'd the line after breaking through the blockage.  
Low flow area, only one house on line with low flow toilets, not enough flow to move solids.  
Low flow area, only one house on line with low flow toilets, not enough flow to move solids.  
Outside Private contractor boring for a water line hit the force main.  
Outside Private contractor boring for a water line hit the force main.

Contactor Error  
Contactor Error

Outside contractor broke 6 sewer while digging for electrical conduits.  
Outside contractor broke 6 sewer while digging for electrical conduits.  
Leaks at cam lok fittings on by pass hose used by private contractor working for the Truckee Sanitary District on a pipe lir  
Leaks at cam lok fittings on by pass hose used by private contractor working for the Truckee Sanitary District on a pipe lir

Contractor lined the pipe segment immediately downstream of the two houses. Probable bypass operation malfunction  
Contractor lined the pipe segment immediately downstream of the two houses. Probable bypass operation malfunction

Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Gravity Mainline

Main  
Main  
Lower Lateral  
Lower Lateral  
Other (specify below)  
Other (specify below)  
Main  
Main  
Lower Lateral  
Main  
Lower Lateral  
Lower Lateral

Main  
Main  
Lower Lateral  
Lower Lateral

Main  
Main  
Lower Lateral  
Lower Lateral  
Other (specify below)  
Other (specify below)  
Lower Lateral  
Lower Lateral  
Other (specify below)  
Other (specify below)  
Lower Lateral  
Lower Lateral  
Other (specify below)  
Other (specify below)  
Lower Lateral  
Lower Lateral  
Main



Roots entered main from lower lateral for vacant lot, to cause blockage in main.  
Force main piping was cracked radially

Root intrusion occurred in lower lateral near connection to main.

Discharge hose at Manhole  
Discharge hose at Manhole

Leaks at cam lok fittings on by pass hose used by private contractor working for the Truckee Sanitary District on a pipe line  
Leaks at cam lok fittings on by pass hose used by private contractor working for the Truckee Sanitary District on a pipe line

Most likely a malfunction of the bypass operation or the pump lost prime.  
Most likely a malfunction of the bypass operation or the pump lost prime.

No

4 ACP  
8 ACP  
4 acp  
4 ACP  
4 ACP  
6 ACP  
4 ACP  
6 ACP  
8 PVC  
4 VCP  
6 ACP  
4 ACP  
4 acp  
4 ACP  
4 ACP  
6 VCP  
6 VCP  
4 C-900  
4 C-900  
4 ACP  
4 ACP  
6 PVC  
6 PVC  
6 PVC  
6 PVC  
4 VCP  
4 VCP  
8 VCP  
8 VCP  
6 VCP  
6 VCP

ing project.  
ing project.

4 PVC  
4 PVC  
12 ACP  
12 ACP  
4 ACP  
4 ACP  
10 C900

30  
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50

20  
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40  
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40  
40  
26

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanitary sewer system

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanitary sewer system

Cleaned-up (mitigated effects of spill);Restored flow;Returned all or portion of spill to sanitary sewer system

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanitary sewer system

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow

Cleaned-up (mitigated effects of spill);Restored flow

Restored flow

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanitary sewer system

Cleaned-up (mitigated effects of spill);Restored flow

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanitary sewer system

Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow  
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R  
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R  
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R  
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R  
Other (specify below)

ED 006495 00001076-23624

Excavated and removed intrusion. Pipe repair complete at 1730, 10/13/08

Damaged pipe was a low pressure force main, radial crack in pipe caused by loading due to heavy equipment traffic over  
All sewage drained back into collection system when blockage was removed. Inspected residences at 150, 155 and 175

NA

Removed all standing water, removed top layer of soil and applied light bleach solution to area.

Area near where sewage was surfacing was excavated and the broken pipe was discovered below new 8-inch water main

Crew hydro-cleaned lateral to clear blockage and then cleaned up spill area with vactor and applied light bleach solution t

Vacuumed up sewage with Vactor and hauled to treatment plant.

Vacuumed up sewage with Vactor and hauled to treatment plant.

Vacuumed up sewage contaminated soil in excavation

Vacuumed up sewage contaminated soil in excavation

Contacted Belfor Property Restoration and the lining contractor. Belfor responded and began the cleanup work. Lining c

Contacted Belfor Property Restoration and the lining contractor. Belfor responded and began the cleanup work. Lining c

Set up emergency bypass and haul with 3 Vactor Truckes and 4 water trucks

2/27/2012 16:00

2/15/2013 11:45

12/20/2012 16:00

10/5/2012 13:00

Other (specify below)

Other (specify below)

Repaired sewer;Other (specify below)

Adjusted schedule/method of preventive maintenance;Other (specify below)

Jail to report grinder failure to SSD

clean more often

Other laterals in the area will be inspected to insure that they were not also damaged by the water main installation.

Possible installation of additional flushing and overflow vaults.



No

No

No

Yes

No Visual affects

NA

NA  
NA

N/A

No

No

No

No

NA  
NA

None

Berry Reservoir

N/A

None

none

None

None

None

none

none

Paiute Creek

none

none

none

None

NA

NA

NA

N/A

N/A

None

Biological indicator(s) - specify below

No water quality samples taken

Not applicable to this spill

Not applicable to this spill

Sampled for Total/fecal coliform

N/A

Regional Water Quality Control Board

None of the above

Not applicable to this spill

Not applicable to this spill







121129 2/27/2012 12:30

130997 2/15/2013 13:03

115497 9/15/2011 16:30

127780 12/20/2012 16:50

125958 10/3/2012 8:03

Casey Williams

5302575665

6SSO11120	Historical	786949 Denny Anderson	Certified
6SSO11120	Active	788962 Denny Anderson	Certified
6SSO11120	Historical	788962 Denny Anderson	Certified
6SSO11120	Active	790328 Denny Anderson	Certified
6SSO11120	Historical	790328 Denny Anderson	Certified
6SSO11120	Active	797251 Lee Wright	Certified
6SSO11120	Historical	797251 Lee Wright	Certified
6SSO11120	Active	798688 Lee Wright	Certified
6SSO11120	Historical	798688 Lee Wright	Certified
6SSO11121	Historical	708568 Melanie L. Bengtson	Certified
6SSO11123	Active	728135 John R. Sponsler	Certified
6SSO11123	Active	729304 John R. Sponsler	Certified
6SSO11123	Active	751146 John R. Sponsler	Certified
6SSO11123	Active	760196 John R. Sponsler	Certified
6SSO11123	Active	762271 John R. Sponsler	Certified
6SSO11123	Active	766589 John R. Sponsler	Certified
6SSO11123	Active	772213 John R. Sponsler	Certified
6SSO11123	Active	778126 John R. Sponsler	Certified
6SSO11123	Active	786166 John R. Sponsler	Certified
6SSO11123	Active	794005 John R. Sponsler	Certified
6SSO11125	Active	655653 Le Hayes	Certified
6SSO11125	Active	716920 Le Hayes	Certified
6SSO11125	Active	745919 Le Hayes	Certified
6SSO11126	Active	744996 Ron Rector	Certified
6SSO11126	Active	758022 Ronald O Rector	Certified
6SSO11126	Active	759776	Work In Progress
6SSO11126	Active	765650 Ron Rector	Certified
6SSO11126	Active	768868 Ron Rector	Certified
6SSO11126	Active	773242 Ron Rector	Certified
6SSO11126	Active	773409 Ron Rector	Certified
6SSO11126	Active	775811 Ron Rector	Certified
6SSO11126	Active	784329 troy minnick	Certified
6SSO11126	Active	785619 troy minnick	Certified
6SSO11126	Active	790833 troy minnick	Certified
6SSO11126	Active	798607 troy minnick	Certified
6SSO11131	Active	752807 Deston Dishion	Certified
6SSO11131	Active	755642 Deston Dishion	Certified
6SSO11131	Active	778262 David Grah	Certified
6SSO11136	Active	712313 Steve Dassler	Certified
6SSO11136	Active	713782 Steve Dassler	Certified
6SSO11136	Active	714294 Steven A. Dassler	Certified
6SSO11136	Active	716225 Steve Dassler	Certified
6SSO11136	Active	716437 Steven A. Dassler	Certified
6SSO11136	Active	725987 Steve Dassler	Certified
6SSO11136	Active	728120 Steven A. Dassler	Certified
6SSO11136	Active	731738 Steven A. Dassler	Certified
6SSO11136	Active	732005 Steven A. Dassler	Certified
6SSO11136	Active	732009 Steven A. Dassler	Certified
6SSO11136	Active	746680 Steven A. Dassler	Certified
6SSO11136	Active	747278 Steven A Dassler	Certified
6SSO11136	Active	747627 Steven A. Dassler	Certified
6SSO11136	Active	747940 Steve Dassler	Certified
6SSO11136	Active	754698 Steven A. Dassler	Certified
6SSO11136	Active	760371 Steven A. Dassler	Certified
6SSO11136	Active	760399 Steven A. Dassler	Certified

O & M Superintendent  
O & M Superintendent  
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O & M Superintendent  
O & M Superintendent  
O & M Superintendent  
O & M Superintendent  
O&M Superintendent  
O&M Superintendent  
Environmental Manager  
Director of Public Utilities  
Director of Public Utilities  
Director of Public Utilities  
Director of Public Utilities  
Director of Public Utilities  
Director of Public Utilities  
Director of Public Utilities  
Director of Public Utility  
Director of Public Utilities  
Director of Public Utilities  
General Manager  
General Manager  
General Manager  
Community & Economic Development Director  
Director

Community & Economic Development Director  
Director of Community and Economic Development  
Director of Economic Development  
Community and Economic Development Director  
Community and Economic Development Director  
Industrial Pretreatment Coordinator  
industrial pretreatment coordinator  
industrial pretreatment superintendant  
industrial Pretreatment Superintendant  
Chief Plant Operator  
Public Works Superintendent  
Director of Public Works  
Utility Services Manager  
Utility Services Manger  
Utility Services Manager  
Utility Services Manager  
Utility Services Manager  
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Utility Services Manager  
Utility Services manager

Truckee		117825
Truckee		264503
Truckee		264503
Truckee		488990
Truckee		488990
Truckee		722886
Truckee		722886
Truckee		461731
Truckee		461731
Wellington, NV		389418
	1545	184323
	1620	418358
	1725	108143
	1750	548482
Adelanto, CA		751632
City of Adelanto		606705
City of Adelanto		517382
City of Adelanto		729498
City of Adelanto		206178
Adelanto, CA		508500
Baker, CA		399921
Baker CA		381004
Baker CA		495982
1340 hrs		434969
City of Barstow		147525
1400 hrs		727154
	7:57 AM	320361
	850	234301
	740	831270
	800	318801
	1131	517461
	1338	830077
	1501	349935
	813	878387
0709 hours		271239
	1501	718166
Bishop		249861
Lancaster		227210
Lancaster		619722
	8:23 AM	131259
Lancaster		738033
	8:56 AM	497591
Lancaster		190070
	11:21 AM	316836
16:50 pm		225200
	11:25 AM	223138
	8:36 AM	623959
Lancaster		483276
Lancaster		632858
Lancaster		479268
Lancaster		507217
	12:10 PM	766157
Lancaster		271402
Lancaster		645398

4-Oct-12	10/4/2012	16-Oct-12	10/16/2012
12-Dec-12	12/13/2012	13-Dec-12	12/13/2012
12-Dec-12	12/13/2012	13-Dec-12	12/13/2012
15-Jan-13	1/15/2013	15-Jan-13	1/15/2013
15-Jan-13	1/15/2013	15-Jan-13	1/15/2013
25-Jul-13	7/25/2013	25-Jul-13	7/25/2013
25-Jul-13	7/25/2013	25-Jul-13	7/25/2013
11-Sep-13	9/11/2013	11-Sep-13	9/11/2013
11-Sep-13	9/11/2013	11-Sep-13	9/11/2013
30-Nov-07		30-Nov-07	11/30/2007
20-Oct-08		7-Dec-10	12/7/2010
17-Nov-08		1-Dec-08	12/7/2010
30-Mar-10		30-Mar-10	3/30/2010
4-Jan-11	1/4/2011	4-Jan-11	1/4/2011
31-Jan-11	4/6/2011	6-Apr-11	4/6/2011
17-May-11	5/18/2011	18-May-11	5/18/2011
20-Oct-11	10/20/2011	10-Nov-11	11/10/2011
28-Feb-12	2/28/2012	28-Feb-12	2/28/2012
13-Sep-12	9/13/2012	13-Sep-12	9/13/2012
8-May-13	5/8/2013	8-May-13	5/8/2013
10-Aug-07		10-Aug-07	8/10/2007
3-May-08		6-Dec-10	12/6/2010
21-Oct-09		6-Dec-10	12/6/2010
24-Sep-09		10-Nov-10	5/5/2011
21-Oct-10	10/27/2010	10-Nov-10	11/10/2010
23-Dec-10			
20-Apr-11	4/20/2011	5-May-11	5/5/2011
22-Jul-11	7/26/2011	27-Jul-11	7/27/2011
18-Nov-11	11/18/2011	18-Nov-11	11/18/2011
23-Nov-11	11/23/2011	23-Nov-11	11/23/2011
13-Jan-12	1/13/2012	13-Jan-12	1/13/2012
30-Jul-12	7/30/2012	3-Aug-12	8/3/2012
28-Aug-12	8/28/2012	29-Aug-12	8/29/2012
28-Jan-13	1/28/2013	31-Jan-13	1/31/2013
10-Sep-13	9/19/2013	19-Sep-13	9/19/2013
1-Jun-10	6/1/2010	1-Jun-10	6/1/2010
30-Jul-10	7/30/2010	3-Dec-10	12/3/2010
2-Mar-12	3/2/2012	2-Mar-12	3/2/2012
4-Feb-08		25-Feb-08	12/8/2010
25-Feb-08		13-Mar-08	12/8/2010
29-Feb-08		7-Mar-08	3/7/2008
17-Apr-08		22-Apr-08	12/8/2010
22-Apr-08		23-Apr-08	4/23/2008
10-Sep-08		10-Sep-08	12/8/2010
20-Oct-08		29-Oct-08	10/29/2008
12-Jan-09		12-Jan-09	1/12/2009
16-Jan-09		26-Jan-09	1/26/2009
16-Jan-09		21-Jan-09	1/21/2009
10-Nov-09		18-Nov-09	11/18/2009
3-Dec-09		7-Dec-09	12/7/2009
18-Dec-09		21-Dec-09	12/21/2009
29-Dec-09		8-Jan-10	12/9/2010
9-Jul-10	7/9/2010	13-Jul-10	7/13/2010
7-Jan-11	1/7/2011	7-Jan-11	1/7/2011
7-Jan-11	1/7/2011	7-Jan-11	1/7/2011



Category 2		13000	0
Category 3		5	3
Category 3		5	3
Category 3		15	10
Category 3		15	10
Category 2		5000	0
Category 2		5000	0
Category 3	10	10	0
Category 3	10	10	0
Category 3		300	0
Category 2		3000	0
Category 2		1925	1500
Category 2		1160	0
Category 2		188500	0
Category 2		2468	1234
Category 1		24325	0
Category 3		950	0
Category 3		550	0
Category 2		14500	9885
Category 3		875	700
Category 2		3000	0
Category 3		750	0
Category 2		5000	2500
Category 1		6000	0
Category 1		6500	0
Category 1		1000	0
Category 1		100	0
Category 2		3120	0
Category 3		200	0
Category 2		6345	450
Category 3		300	100
Category 1		750	20
Category 3		100	0
Category 1		500	0
Category 2	11386	11386	7000
Category 3		100	95
Category 1		150	50
Category 1		65	50
Category 1		300	150
Category 1		1200	0
Category 3		100	
Category 1		100	25
Category 3		2	2
Category 1		750	675
Category 3		700	650
Category 3		900	900
Category 3		600	600
Category 3		150	150
Category 3		525	525
Category 3		325	325
Category 3		800	800
Category 2		2500	2500
Category 3		100	100
Category 3		929	929
Category 2		1100	1100

0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
24300 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 Yes	No
0 No	No
6000 No	Yes
6500 Yes	Yes
1000 Yes	No
100 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
730 No	Yes
0 No	No
500 No	Yes
0 No	No
0 No	No
100 Yes	No
15 Yes	No
150 No	Yes
1200 No	Yes
No	No
75 No	Yes
0 No	No
75 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	Yes

[illegible]

Glenshire Drive  
Cedar Trail  
Cedar Trail  
Big Blue Buiding on Donner Pass Road  
Big Blue Buiding on Donner Pass Road  
Manhole CT32-C03 Breakers Ct.  
Manhole CT32-C03 Breakers Ct.  
15374 Donner Pass Rd.  
15374 Donner Pass Rd.  
Lift station next to Bldg 7042, Lower Base Camp  
City of Adelanto, DeSoto and Muskrat  
City of Adelanto  
City of Adelanto Lift Station  
Wastewater Treatment Plant  
City of Adelanto  
City of Adelanto  
City of Adelanto  
City of Adelanto  
Verbeena Avenue Manhole  
Sewer Lift Station  
Clarks Trailer Park  
Chevron Station  
Bun Boy Truck Parking  
Vacant Restaurant  
Main Street  
Main Street Flood Channel  
1103 East Main Street City of Barstow  
7th Ave X E. Main Street  
108 East Williams Street  
305 North 3rd Avenue  
Belinda Street  
1741 Piute Street x-street Higgins  
109 Crooks Avenue  
China Buffet rear of Building  
2200 Riverside Drive  
Intersection of May and Hanby Ave  
Dead End of Clarke Street  
Park Syphon Spill 20120302  
1882 -Avenue J/Beech Avenue  
529 West Avenue I  
Willow Creek Apartments (Lancaster, CA)  
MH # 237 located in Ave H-8  
From Manhole #328 in Jenner St  
21st Av & Lancaster Blvd  
New Art Building Lancaster Blvd  
4th St E & Lingard  
Cedar St & Avenue J  
Avenue H-12 & 17th St E  
City of Lancaster MH 1829-0317  
612 W Avenue J  
East Kettering  
44259 Kingtree Ave.  
Redwood Ave.  
438 East Lancaster Blvd.  
44900 Division Street

39.354622	-120.114736 Nevada
39.332828	-120.215525 Nevada
39.332828	-120.215525 Nevada
39.328206	-120.246094 Nevada
39.328206	-120.246094 Nevada
39.291658	-120.163806 Placer
39.291658	-120.163806 Placer
39.32468	-120.28019 Nevada
39.32468	-120.28019 Nevada
38.36	119.52 Mono
34.613098	-117.449143 San Bernardino
34.57924	-117.40952 San Bernardino
34.613098	-117.44914 San Bernardino
34.59575	-117.40696 San Bernardino
34.52795	-117.40385 San Bernardino
34.528031	-117.426419 San Bernardino
34.597916	-117.449432 San Bernardino
34.320961	-117.241379 San Bernardino
34.536695	-117.425839 San Bernardino
34.614722	-117.448889 San Bernardino
35.266944	116.075 San Bernardino
35.264722	116.076389 San Bernardino
35.2675	-116.074444 San Bernardino
34.894111	-117.00407 San Bernardino
34.89869	-117.01781 San Bernardino
34.89065	-117.06231 San Bernardino
34.89898	-117.01214 San Bernardino
34.8981	-117.019711 San Bernardino
34.897372	-117.025614 San Bernardino
34.900278	-117.024331 San Bernardino
34.891417	-117.024444 San Bernardino
34.885961	-116.998181 San Bernardino
34.911944	-117.024161 San Bernardino
34.894342	-117.001992 San Bernardino
34.885472	-116.985344 San Bernardino
37.36379	-118.38783 Inyo
37.35966	-118.38624 Inyo
37.36787	-118.39178 Inyo
34.68933642	-118.1368512 Los Angeles
34.703853	-118.139156 Los Angeles
34.690694	118.102361 Los Angeles
34.710833	-118.152681 Los Angeles
34.700258	118.155061 Los Angeles
34.6966	-118.168425 Los Angeles
34.698333	118.141667 Los Angeles
34.695231	118.124492 Los Angeles
34.689397	118.138811 Los Angeles
34.707875	118.099181 Los Angeles
34.674667	-118.175222 Los Angeles
34.783611	-118.228333 Los Angeles
34.708889	-118.06702 Los Angeles
34.751944	-118.191667 Los Angeles
34.41934	-118.07902 Los Angeles
34.696361	-118.122889 Los Angeles
34.699333	-118.130389 Los Angeles

[illegible]

Spill release came from a Manhole at this location  
Property line C/O in front of above address  
Property line C/O in front of above address  
Property Line C/O at the above address  
Property Line C/O at the above address  
Approximately 260 feet south of the intersection of Olana Dr. and Breakers Ct.  
Approximately 260 feet south of the intersection of Olana Dr. and Breakers Ct.  
Private property  
Private property  
Two manholes downstream of lift station next to Bldg 7042  
50 yards south of DeSoto on Muskrat. Site is located in the desert adjacent to an unimproved secondary dirt road  
Intersection of Jonathan and Bartlett Avenue

Percolation Pond  
At the intersection of Pearmain St., and Taylor St.  
On a street in front of the house at 10874 Rose Place.  
Spill is from a manhole located on Muskrat Avenue midway between Jay Street and Kay Street. Manhole is off to the side  
Spill occurred at the intersection of Pearmain Street and Cactus Road  
Approximately 429 feet north of Cactus Avenue. Verbeena Avenue is a dirt road in this location  
Low lying dirt road  
Within the trailer park  
Dry river channel near the Chevron Station  
Bun Boy Truck Parking 1 Block North of Baker Blvd, Near Highway 127

Street, surge from manhole in City Right of Way.  
Flood Channel

Approx. 189 feet south of intersection of 7th Ave and E. Main Street  
Private Lateral Cleanout, caused by City Collection System Blockage downstream  
Discharge from open private sewer lateral  
Center of roadway, between manholes  
roadway manhole, low flow volume from residential homes, does not provide enough velocity to keep solids suspended  
6 inch City sewer cleanout  
Dirt Planter area  
**SECOND MANHOLE WEST OF WWTP MAIN ENTRANCE**  
From manhole at intersection of May and Hanby  
Spill occurred on the east end of Clarke Street. Street is paved

Avenue J/Beech Avenue- MH 50' S/O MH 683 on Avenue J. Est 300 gallons. Est Time 10 minutes. Entered storm drain

Overflow from manhole #859 located within residential area.

Overflowed from and around MH#328  
City MH 1882-0007, south side of intersection of 21st St W and Lancaster Blvd  
Clean-out in paved alley  
Sewage left manhole and entered adjacent curb and gutter, ran downstream about 1000 feet and contained with sandbag  
Alley west of Cedar Street, north side of Avenue J

City manhole in front of 43020 Bloomingpark St

City Mainline Manhole in backyard of apartment complex.  
Centerline of street

1  
1

e of the road approximately 10'.

1

at SE cor of Beech and Avenue J. Rec

s there.



Manhole  
Other (specify)  
Other (specify)  
Other (specify)  
Other (specify)  
Building or structure;Manhole  
Building or structure;Manhole  
Lateral Clean Out (Private)  
Lateral Clean Out (Private)  
Manhole  
Pump station  
Manhole  
Manhole  
Other (specify)  
Manhole  
Manhole  
Gravity sewer  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Gravity sewer  
Manhole  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Other (specify)  
Building or structure  
Gravity sewer  
Gravity sewer;Manhole  
Other sewer system structure  
Manhole;Other sewer system structure  
Gravity Mainline  
Gravity sewer  
Gravity sewer;Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Other sewer system structure  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Manhole  
Manhole

Gravity lateral property line C/O.  
Gravity lateral property line C/O.  
Property Line C/O  
Property Line C/O

Percolation Pond

Surge in manhole lid.  
Sewer line crack

Private Lateral Cleanout

Spill site is at location where recent gas line service upgrade occurred earlier that day.

Grease Interceptor Tank

MH 50' S/O MH 683 on Avenue J.

Clean out to building 665

Unpaved surface  
Unpaved surface  
Unpaved surface  
Other paved surface  
Other paved surface  
Building or structure;Unpaved surface  
Building or structure;Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Street/curb and gutter  
Unpaved surface  
Other (specify below)  
Street/curb and gutter  
Unpaved surface  
Street/curb and gutter;Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Other (specify below)  
Unpaved surface  
Unpaved surface  
Separate storm drain  
Other (specify below)  
Other (specify below)  
Separate storm drain  
Separate storm drain  
Other paved surface  
Unpaved surface  
Street/curb and gutter;Other (specify below)  
Other paved surface;Separate storm drain;Street/curb and gutter  
Unpaved surface  
Separate storm drain  
Paved Surface;Unpaved surface  
Other (specify below)  
Surface water  
Street/curb and gutter;Surface water  
Separate storm drain  
Other (specify below)  
Unpaved surface  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other paved surface  
Street/curb and gutter  
Street/curb and gutter;Other (specify below)  
Street/curb and gutter  
Street/curb and gutter  
Other (specify below)  
Street/curb and gutter;Unpaved surface  
Other (specify below)  
Street/curb and gutter  
Street/curb and gutter  
Separate storm drain;Street/curb and gutter

Spill traveled within the confines of a natural wash.

Vacant desert land

Water was absorbed into the barren desert

Storm water detention basin

City Engineer is reviewing to make determination of the fate if any wastewater. Details will be provided in written report to  
Flood channel to Mojave River Bed

All wastewater was retained on the property

Diverted spill to downstream manholes, estimated 100 gallons returned to sanitary sewer

Spill was contained to street area that had just been removed for reconstruction

Approximately 100 gallons of sewage ran into the Bishop Creek canal from the street

Amargosa Creek mixed with storm water in creek which is normally dry except for nuisance water

Spill fully absorbed into ground, no solids present.

Drainage retention basin located at 15th St West and Avenue H-8

Small amount overflowed from manhole (~ 2 gal), which was swept back into MH#328 and surrounding area cleaned up.

Amargosa Creek (normally dry) not a surface water

spill diverted to MH 1882-0414 until crews removed blockage from mainline

City catch basin; fully contained

Contained 600 feet from origination in curb and gutter with visqueen and sandbags

Enclosed catch basin - outfall blocked

Trash debris basin at end of storm drain pipe

10/3/2012 7:00	10/3/2012 7:15	10/3/2012 7:35	10/3/2012 9:30
12/10/2012 10:45	12/10/2012 11:00	12/10/2012 11:15	12/10/2012 11:00
12/10/2012 10:45	12/10/2012 11:00	12/10/2012 11:15	12/10/2012 11:00
1/11/2013 16:00	1/11/2013 16:15	1/11/2013 16:45	1/11/2013 17:00
1/11/2013 16:00	1/11/2013 16:15	1/11/2013 16:45	1/11/2013 17:00
7/12/2013 0:00	7/19/2013 11:40	7/19/2013 11:45	7/19/2013 12:10
7/12/2013 0:00	7/19/2013 11:40	7/19/2013 11:45	7/19/2013 12:10
8/29/2013 16:30	8/29/2013 17:00	8/29/2013 17:30	8/29/2013 17:45
8/29/2013 16:30	8/29/2013 17:00	8/29/2013 17:30	8/29/2013 17:45
10/10/2007 8:15	10/10/2007 9:00	10/10/2007 8:30	10/10/2007 9:00
10/17/2008 8:00	10/17/2008 9:00	10/17/2008 9:30	10/17/2008 10:15
11/16/2008 11:30	11/16/2008 12:00	11/16/2008 13:00	11/16/2008 16:30
3/24/2010 10:00	3/24/2010 11:00	3/24/2010 11:00	3/24/2010 11:20
12/23/2010 0:00	12/23/2010 5:15	12/23/2010 6:00	12/23/2010 15:00
1/15/2011 0:00	1/15/2011 10:05	1/15/2011 11:00	1/15/2011 11:20
5/11/2011 22:00	5/12/2011 7:00	5/12/2011 7:30	5/12/2011 9:35
10/13/2011 21:20	10/13/2011 22:30	10/13/2011 22:45	10/14/2011 0:30
2/21/2012 11:30	2/21/2012 11:40	2/21/2012 11:55	2/21/2012 12:12
8/27/2012 8:00	8/27/2012 11:00	8/27/2012 11:30	8/27/2012 13:25
5/1/2013 0:00	5/2/2013 9:00	5/2/2013 9:00	5/2/2013 9:12
8/8/2007 17:00	8/8/2007 18:00	8/8/2007 18:30	8/9/2007 10:00
5/2/2008 17:00	5/2/2008 17:00	5/2/2008 17:10	5/2/2008 18:00
10/20/2009 8:00	10/20/2009 8:00	10/20/2009 8:05	10/20/2009 16:00
9/24/2009 8:30	9/24/2009 8:45	9/24/2009 9:30	9/24/2009 10:20
10/18/2010 0:00	10/18/2010 7:30	10/18/2010 7:30	10/18/2010 11:30
12/22/2010 0:00	12/22/2010 7:45	12/22/2010 8:00	12/22/2010 10:00
4/19/2011 17:55	4/19/2011 17:55	4/19/2011 18:01	4/19/2011 18:20
7/22/2011 0:00	7/22/2011 10:15	7/22/2011 10:25	7/22/2011 11:00
11/10/2011 0:00	11/10/2011 14:39	11/10/2011 14:49	11/10/2011 14:53
11/11/2011 0:00	11/16/2011 9:00	11/16/2011 9:15	11/16/2011 9:45
1/9/2012 0:00	1/9/2012 18:45	1/9/2012 18:55	1/9/2012 20:30
7/30/2012 7:30	7/30/2012 7:30	7/30/2012 7:30	7/30/2012 8:00
8/25/2012 14:00	8/25/2012 15:00	8/25/2012 15:25	8/25/2012 15:40
1/25/2013 10:15	1/25/2013 10:15	1/25/2013 9:00	1/25/2013 11:15
9/5/2013 16:05	9/5/2013 16:10	9/5/2013 16:10	9/5/2013 16:10
5/20/2010 14:00	5/20/2010 14:00	5/20/2010 14:00	5/20/2010 15:00
7/30/2010 9:30	7/30/2010 9:35	7/30/2010 9:40	7/30/2010 9:45
3/2/2012 0:00	3/2/2012 9:30	3/2/2012 9:40	3/2/2012 9:45
1/25/2008 13:20	1/25/2008 13:25	1/25/2008 13:30	1/25/2008 13:35
2/20/2008 9:15	2/20/2008 9:45	2/20/2008 10:10	2/20/2008 12:45
2/27/2008 18:45	2/27/2008 19:15	2/27/2008 20:30	2/27/2008 22:30
4/15/2008 17:45	4/15/2008 18:00	4/15/2008 19:03	4/15/2008 19:10
4/18/2008 15:30	4/18/2008 15:45	4/18/2008 16:15	4/18/2008 16:30
9/4/2008 19:30	9/4/2008 19:45	9/4/2008 20:15	9/4/2008 20:30
10/17/2008 12:00	10/17/2008 2:00	10/17/2008 2:20	10/17/2008 5:00
12/29/2008 15:15	12/29/2008 15:30	12/29/2008 15:45	12/29/2008 16:45
1/13/2009 11:00	1/13/2009 11:00	1/13/2009 11:10	1/13/2009 12:30
1/14/2009 12:00	1/14/2009 15:00	1/14/2009 15:15	1/14/2009 15:30
11/9/2009 16:30	11/9/2009 16:45	11/9/2009 17:00	11/9/2009 17:30
11/25/2009 7:00	11/25/2009 8:00	11/25/2009 8:45	11/25/2009 9:45
12/14/2009 16:00	12/14/2009 17:15	12/14/2009 17:25	12/14/2009 18:35
12/28/2009 13:40	12/28/2009 14:40	12/28/2009 15:00	12/28/2009 15:40
7/2/2010 9:00	7/2/2010 9:00	7/2/2010 9:00	7/2/2010 9:30
1/5/2011 8:34	1/5/2011 8:34	1/5/2011 8:45	1/5/2011 9:11
1/5/2011 13:00	1/5/2011 13:07	1/5/2011 13:15	1/5/2011 13:29

Debri-General  
Other (specify below)  
Other (specify below)  
Root intrusion  
Root intrusion  
Debri-General  
Debri-General  
Root Intrusion  
Root Intrusion  
Pump station failure  
Pump station failure  
Debri-General  
Debri-General  
Rainfall exceeded design (Seperate CS Only)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Debri-General  
Other (specify below)  
Debri-General  
Pump station failure  
Other (specify below)  
Pump station failure  
Root intrusion  
Grease deposition (FOG)  
Other (specify below)  
Other (specify below)  
Grease deposition (FOG)  
Other (specify below)  
Surcharged pipe (Combined CS Only)  
Root intrusion  
Other (specify below)  
Grease deposition (FOG)  
Debri-General  
Grease deposition (FOG)  
Other (specify below)  
Other (specify below)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Vandalism  
Vandalism  
Grease deposition (FOG)  
Grease deposition (FOG)  
Other (specify below)  
Grease deposition (FOG)  
Vandalism  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
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Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)

Once we broke the blockage open, TSD staff put a mini cam in the pipe and found several pine cones were creating the blockage.  
Once we broke the blockage open, TSD staff put a mini cam in the pipe and found several pine cones were creating the blockage.

N/A  
A large piece (appr. 12 x12 ) of PVC pipe wedged in the main line. Pipe was later recovered at the mechanical barscreener.  
Trash interfered with pump and sonic leveling device.  
Storm event exceeded rated treatment plant influent capacity.

Spill was caused by two large pieces of asphalt in the 8" main line.  
Combination of grease and paper towels.

Blockage due to roots and debris from open cleanouts in trailer park  
One of two sewer pumps failed during high volume flow

Operator pulled plywood and asphalt from surging manhole.  
Major flood waters pushed through flood channel and undermined the sewer line encased in concrete and caused stress failure.  
Combination of root intrusion and grease.

Third party contractor hit top of sewer piping with backhoe while trenching for new gas line upgrades.

CCTV on 1-26-2013 revealed root intrusion as the primary cause that lead to spill condition  
WWTP Power Generator Failed during severe lightening thunderstorm  
Granite Construction ran Paddle Scraper over main line during construction of new road and collapsed line.

Rock and debris resulting from vandalism  
Stoppage due to heavy grease in line.

Sticks & rags

Wad of shop rags, several full sized common brick and 6" x 12" chunks of hardened concrete removed from mainline  
plus Roots

Main  
Lower Lateral  
Lower Lateral  
Lower Lateral  
Lower Lateral  
Main  
Main  
Upper Lateral (Public)  
Upper Lateral (Public)

Other (specify below)  
Main

Other (specify below)  
Main  
Lower Lateral  
Main  
Main  
Main  
Main

Main  
Main  
Main  
Main  
Upper Lateral  
Main  
Main  
Main  
Lower Lateral  
Upper Lateral  
Upper Lateral  
Other (specify below)  
Main  
Main  
Main  
Main  
Main

Main

Main  
Main  
Main  
Main  
Main  
Main  
Main

Main

Main  
Main



Private upper lateral

Private upper lateral

Failure occurred due to grease buildup on surface water which caused a loss of float transducer failure which caused the r

Excessive flows caused containment pond bank to fail.

10 lateral line connecting flows to Main Sewer Line

WWTP Inlet Pumps not running due to power failure of standby generator tripped due to severe lightening and thunderst

approx 100 feet upstream of MH 1882-0414

	10 C900
	4 ACP
	4 ACP
	4 VCP
	4 VCP
	6 PVC
	6 PVC
No	4 AC
No	4 AC

discharge pumps to not oper

12

8 PVC  
8 PVC  
8

8 Clay

8 VCP  
10 VCP  
8 vcp

8 vcp  
8 VCP  
8 vcp  
8 vcp

Yes

15 VCP  
33 vcp  
12 VCP  
15 VCP

8  
8  
8  
10 vcp  
8 VCP  
8 VCP  
8 VCP  
8 VCP  
8 VCP  
8 VCP

12

26  
40  
40  
40  
40  
5  
5  
30  
30

4

50

20  
20

1940  
1940  
1945  
40

492  
60  
50

42  
54  
55  
59  
19  
25  
59



Set up emergency bypass and haul with 3 Vactor Truckes and 4 water trucks  
Vacuumed up damp soil around C/O and disinfected the area where the SSO occurred.  
Vacuumed up damp soil around C/O and disinfected the area where the SSO occurred.

TSD mitigated the spill area around the manhole. Home contractor is responsible for mitigating spill beneath the house.  
TSD mitigated the spill area around the manhole. Home contractor is responsible for mitigating spill beneath the house.

N/A

Diverted flow from affected percolation pond to another percolation pond. After flows subsided to a point where heavy ec

All areas were treated with granulated chlorine and chlorine tablets  
2nd pump placed in manual pumping mode  
Recovered portion with vacuum truck, some intrusion into unpaved area, area sanitized with granular chlorine

Even with the heavy rainfall the area was washed down with high pressure water and chlorine utilized.  
Blocked flows to line in manhole and sucked out all flows till the bypass was in place for the flows to be returned to norma

Staff responded to initial alarm and discovered that a spill had occurred due to Power Failure.

City of Bishop crew cleared blockage immediately and then blocked sewage still remaining on surface from reaching Bish

LA County CSMD responded to the spill as they have responsibility for maintenance of system until July 1, 2008. City we  
Responders were unable to contain spill due to rainstorm weather conditions, but broke down and removed stoppage and  
Hydro'd main line, and left main line down and running.

Contained overflow with absorbant socks. Rodded 8' main line in Ave H-8 from MH#236 to #237 and broke down stoppa

cleaned and disinfected affected storm drain

10/5/2012 13:00

7/19/2013 14:30  
7/19/2013 14:30

10/17/2008 15:00  
11/16/2008 18:00  
3/24/2010 17:30  
12/24/2010 10:00  
1/15/2011 14:30  
5/12/2011 13:30

8/28/2012 16:00

8/9/2007 12:00  
5/2/2008 19:00  
10/20/2009 17:00  
9/24/2009 9:45  
10/19/2010 10:00  
12/23/2010 17:00  
4/19/2011 18:59  
7/22/2011 13:15

11/16/2011 12:00

7/30/2012 9:45

1/25/2013 16:00  
9/5/2013 20:15

7/30/2010 11:20  
3/2/2012 9:45  
1/25/2008 14:15  
2/20/2008 15:30

4/15/2008 21:45

9/4/2008 21:00

12/29/2009 15:30

1/5/2011 22:30

Adjusted schedule/method of preventive maintenance;Other (specify below)

Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance

Other (specify below)

Plan rehabilitation or replacement of sewer

Other (specify below)

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Other (specify below)

Added sewer to preventive maintenance program

Other (specify below)

Repaired sewer

Adjusted schedule/method of preventive maintenance

Other (specify below)

Repaired sewer;Other (specify below)

Added sewer to preventive maintenance program

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Plan rehabilitation or replacement of sewer

Adjusted schedule/method of preventive maintenance;Plan rehabilitation or replacement of sewer

Other (specify below)

Other (specify below)

Added sewer to preventive maintenance program;Enforcement action against FOG source;Plan rehabilitation or replacen

Adjusted schedule/method of preventive maintenance

Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance;Other (specify below)

Added sewer to preventive maintenance program;Other (specify below)

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program

Possible installation of additional flushing and overflow vaults.

Considering increasing cleaning and CCTV frequency.  
Considering increasing cleaning and CCTV frequency.

N/A

Removed PVC pipe piece from headworks section of WWTP

Repaired pond berm breach.

Applied lime to affected area. Removed spill soaked soil to wwtp and replaced excavation with clean soil. As the manho

Replaced faulty pump  
Cleaned with jetter machine and vacuum truck

There is an emergency RFP to have the line CCTVd to determine what is going on in the line and adjacent manholes.  
Engineer will have to evaluate flood channel and other utilities that are all placed in the channel.

Completed sewer line replacement within four days of notification

Schedule for Cast in Place Sewer Liner

Had Electrical system of power generator inspected. WWTP is I process of having an external flow monitoring device ins

No Action due to vandalism

Rodded in alley east of Beech Ave from manhole (MH) 440 to MH442. Broke down stoppage of rocks & debris, and remc

Recommended to make Hydro regularly scheduled 30-day periodic

City currently has no FOG ordinance, so talked to 4 fast-food restaurants upstream of spill MH about FOG practices.



Yes

Yes

Yes

No

No

No

No

No

No

No

No

No

No

Yes

No

No

No

No

No

No

Yes

No

Yes

Yes

No

No

No

No

No

No

N/A

N/A

Mainline flowed free at time of completion.

Flooding within an area of approximately 200' x 200' x 8'.

None; no receiving waters.

None.

There was so much flow in the channel an Mojave River Bed there was no impact.

Visual inspection revealed no SSO discharge present at storm drain outfall

NA

No solids were present. All sewage came through pick hole in manhole cover. Sewage that reached the canal was not

No

No  
No

Yes  
No  
No  
No  
No  
No

No

No  
No  
No  
No  
No  
No  
No  
No  
No

No

No

No

No  
No  
No  
No

No

No

No

No

None

N/A  
N/A  
NA  
None

NA  
NA  
N/A  
NA  
Not applicable.  
NA

NA  
NA

NA  
NA

N/A

None

N/A  
N/A  
N/A  
N/A

N/A  
N/A  
NA  
None

No surface waters were affected by this spill. Spill destination was desert sands.

Not Applicable  
Not applicable  
NA  
NA  
N/A  
NA  
Not applicable.  
N/A  
none  
none impacted

n/a

None

Bishop Creek Canal  
South Fork Bishop Creek  
NA

NA

N/A

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

No water quality samples taken;Not applicable to this spill

Not applicable to this spill

Biological indicator(s) - specify below

Not applicable to this spill

Biological indicator(s) - specify below

Not applicable to this spill

No water quality samples taken

Not applicable to this spill

No water quality samples taken

Biological indicator(s) - specify below

No water quality samples taken

Not applicable to this spill

No water quality samples taken

No water quality samples taken

Not applicable to this spill

No water quality samples taken

No water quality samples taken

Biological indicator(s) - specify below

No water quality samples taken

No water quality samples taken

Not applicable to this spill

No water quality samples taken

No water quality samples taken;Not applicable to this spill

No water quality samples taken

No water quality samples taken

N/A

N/A

Before chlorination, spill was analyzed for Total and Fecal Coliforms via the 15-tube dilution method.

Total and Fecal Coliform analysis performed as a matter of practise.

Coliform, Fecal Matter, BOD  
No samples taken.

Total and Fecal Coliform

Discussion with Inyo County Health concluded that small amount in creek compared to relatively high flow in creek, and ii

Not applicable to this spill

None of the above  
None of the above

None of the above  
None of the above  
None of the above  
Regional Water Quality Control Board  
None of the above  
None of the above

None of the above

No water quality samples taken  
None of the above  
None of the above  
Regional Water Quality Control Board  
None of the above  
Not applicable to this spill  
None of the above  
None of the above

None of the above

None of the above

None of the above

County Health Agency;Regional Water Quality Control Board  
None of the above  
No water quality samples taken  
Not applicable to this spill

No water quality samples taken

Not applicable to this spill

No water quality samples taken

No water quality samples taken



N/A

Sample results, when received, will be forwarded to Regional Board

Los Angeles Water and Power



125958 10/3/2012 8:03

134555 7/24/2013 14:43  
134555 7/24/2013 14:43

87502 10/17/2008 10:15  
88242 11/16/2008 12:30  
3/24/2010 12:15  
12/23/2010 5:23  
1/15/2011 10:28  
112432 5/12/2011 7:45  
116128 10/13/2011 22:39  
2/21/2012 12:50  
125111 8/27/2012 16:40

96516 9/24/2009 9:45  
106275 10/19/2010 8:00  
12/22/2010 8:00  
112488 4/19/2011 19:38  
114339 7/22/2011 11:13  
116698 11/10/2011 15:13  
116800 11/16/2011 9:55  
120154 1/9/2012 19:57  
124422 7/30/2012 9:26  
125078 8/25/2012 19:20  
130539 1/25/2013 13:00

5/21/2010 8:15

80707 1/25/2008 13:49  
81449 2/20/2008 11:50  
81675 2/27/2008 23:36  
82824 4/15/2008 19:13  
82896 4/18/2008 16:30  
86486 9/5/2008 1:30

98608 12/28/2009 18:19

110078 1/5/2011 14:05

Lee Wright O&M Superintendent  
Lee Wright O&M Superintendent

5305503111  
5305503111

kody tompkins

7602522538

6SSO11136	Active	763993 Steve Dassler	Certified
6SSO11136	Active	764158 Steve Dassler	Certified
6SSO11136	Active	765816 Steven A. Dassler	Certified
6SSO11136	Active	766841 Steve Dassler	Certified
6SSO11136	Active	767540 Steven A. Dassler	Certified
6SSO11136	Active	769617 Kathy Renee	Certified
6SSO11136	Active	769621 Kathy Renee	Certified
6SSO11136	Active	771948 Kathy Renee	Certified
6SSO11136	Active	776679 Kathy Renee	Certified
6SSO11136	Active	785599 Kathy Renee	Certified
6SSO11136	Active	788972 Kathy Renee	Certified
6SSO11136	Active	792633 Kathy Renee	Certified
6SSO11136	Active	799959 Kathy Renee	Certified
6SSO11136	Active	800408	Submit Draft
6SSO11137	Active	709343 Nicholas Agbobu	Certified
6SSO11137	Active	730403 Tim Carney	Certified
6SSO11137	Active	731791 Nicholas A. Agbobu	Certified
6SSO11137	Active	745015 Michael Mischel	Certified
6SSO11137	Active	747794 Mike Mischel	Certified
6SSO11137	Active	747934 Michael Mischel	Certified
6SSO11137	Active	749069 Michael Mischel	Certified
6SSO11137	Active	750537 Michael Mischel	Certified
6SSO11137	Active	750942 Mike Mischel	Certified
6SSO11137	Active	755342 Tim Carney	Certified
6SSO11137	Active	757105 Tim Carney	Certified
6SSO11137	Active	762546 Tim Carney	Certified
6SSO11137	Active	763995 Tim Carney	Certified
6SSO11137	Active	771337 Tim Carney	Certified
6SSO11137	Active	777845 Tim Carney	Certified
6SSO11137	Active	789655 Tim Carney	Certified
6SSO11139	Active	708922 Kathy Whalen	Certified
6SSO11139	Active	732767 Kathy Whalen	Certified
6SSO11139	Active	744953 Kathy Whalen	Certified
6SSO11139	Active	745957 Kathy Whalen	Certified
6SSO11139	Active	768923 Kathy Whalen	Certified
6SSO11139	Active	798844 Mark Pattison	Certified
6SSO11143	Active	733210 Danny Nolan	Certified
6SSO11143	Active	736239 Danny Nolan	Certified
6SSO11143	Active	759197 Dan Nolan	Certified
6SSO11143	Active	778289 Dan Nolan	Certified
6SSO11147	Active	793566	Ready To Certify
6SSO11147	Active	793879	Ready To Certify
6SSO11149	Active	715932 Gene Coufal	Certified
6SSO11149	Active	755377 Charlotte Rodrigues	Certified
6SSO11149	Active	763063 Charlotte Rodrigues	Certified
6SSO11149	Active	793593 Charlotte Rpdrigues	Certified
6SSO11149	Active	793948 Charlotte Rodrigues	Certified
6SSO11152	Active	657772 Robert H. Ardis	Certified
6SSO11152	Active	658135 Robert H. Ardis	Certified
6SSO11152	Active	704597 Robert H. Ardis	Certified
6SSO11152	Active	708105 Robert H. Ardis	Certified
6SSO11152	Active	708691 Robert H. Ardis	Certified
6SSO11152	Active	710405 Robert H. Ardis	Certified
6SSO11152	Active	710537 Robert H. Ardis	Certified
6SSO11152	Active	710590 Robert H. Ardis	Certified

Utility Services Manager  
Utility Services Manager  
Utility Services Manager  
Utility Services Manager  
Utility Services Manager  
Utility Services Supervisor  
Utility Services Supervisor  
Utility Supervisor  
Public Works Supervisor  
Utility Services Supervisor  
Utility Services Supervisor  
Utility Services Supervisor  
Utility Services Supervisor  
Utility Maintenance Supervisor

Senior Civil Engineer  
Sewer Maintenance Supervisor  
Senior Civil Engineer  
Director of Public Works  
Director of Public Works  
Director of Public Works  
Director of Public Works  
Director of Public Works  
Director of Public Works  
Sewer Maintenance Supervisor  
Sewer Maintenance Supervisor  
Sewer Maintenance Supervisor  
Sewer Maintenance Supervisor  
Sewer Maintenance Supervisor  
Sewer Maintenance Supervisor  
Sewer Maintenance Supervisor  
General Manager  
LRO  
Wastewater Operations Manager  
Wastewater Operations Manager  
General Manager  
General Manager  
Chief plant Operator  
Chief Plant Operator  
Chief Plant Operator  
chief plant operator

Aqueduct Manager  
Waterworks Engineer  
Waterworks Engineer  
Waterworks Engineer  
Waterworks Engineer  
Maintenance Manager  
Maintenance Manager  
Maintenance Manager  
Maintenance Manager  
Maintenance Manager  
Maintenance Manager  
Maintenance Manager  
Maintenance Manager

Lancaster	139763
Lancaster	960687
Lancaster	360759
Lancaster	440367
Lancaster	256304
Lancaster	220709
Lancaster	101539
Lancaster CA	833584
Lancaster	366661
Lancaster, CA	615279
Lancaster, CA	885373
Lancaster, CA	942269
Lancaster, CA	914868

Alhambra	518142
Palmdale, CA	959637
Alhambra	412777

8:40 AM	303738
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Palmdale, CA	242330
City of Palmdale	289984
Palmdale	808798
City of Palmdale	132391
Palmdale, CA	985714
Palmdale, CA	236514
Palmdale, CA	819363
Palmdale, CA	761951
Palmdale, CA	998943
Palmdale, CA	190894
Palmdale, CA	772976
Palmdale, CA	940807
24516 Lake Drive	350463
24516 Lake Drive, Crestline, Ca.	705792
24516 Lake Drive	426678
24516 Lake Drive	878774
224516 Lake Dr. Crestline	618737
Crestline Sanitation District	435797
ESCSD Office	513041
ESCSD Office	711388
ESCSD Office	648491
ESCSD WWTP	576236

Bishop	400122
8:44	286193
2:15 PM	258202
7:46 AM	268315
7:52 AM	498234
4:08 PM	140563
2:39 PM	218416
3:12 PM	834366
3:33 PM	261490
9:22 AM	923163
8:08 AM	104590
10:56 AM	859450
10:27 AM	721648

3-Mar-11	3/3/2011	9-Mar-11	3/9/2011
8-Mar-11	3/8/2011	9-Mar-11	3/9/2011
27-Apr-11	4/27/2011	22-Jun-11	6/22/2011
24-May-11	5/24/2011	24-May-11	5/24/2011
16-Jun-11	6/16/2011	22-Jun-11	6/22/2011
9-Aug-11	8/9/2011	9-Aug-11	8/9/2011
9-Aug-11	8/9/2011	9-Aug-11	8/9/2011
12-Oct-11	10/12/2011	13-Oct-11	10/13/2011
31-Jan-12	1/31/2012	31-Jan-12	1/31/2012
27-Aug-12	8/27/2012	18-Dec-12	12/18/2012
12-Dec-12	12/12/2012	18-Dec-12	12/18/2012
14-Mar-13	3/14/2013	20-Mar-13	3/20/2013
21-Oct-13	10/21/2013	21-Oct-13	10/21/2013
30-Oct-13	10/30/2013		
13-Dec-07		13-Dec-07	12/13/2007
10-Dec-08		10-Dec-08	1/19/2011
13-Jan-09		13-Jan-09	1/13/2009
25-Sep-09		28-Sep-09	9/28/2009
22-Dec-09		22-Dec-09	12/22/2009
29-Dec-09		29-Dec-09	12/29/2009
2-Feb-10		2-Feb-10	2/2/2010
12-Mar-10		12-Mar-10	3/12/2010
23-Mar-10		23-Mar-10	3/23/2010
21-Jul-10	7/21/2010	21-Jul-10	7/21/2010
22-Sep-10	9/22/2010	22-Sep-10	1/19/2011
7-Feb-11	2/7/2011	7-Feb-11	2/7/2011
3-Mar-11	3/3/2011	3-Mar-11	5/19/2011
21-Sep-11	9/21/2011	21-Sep-11	9/21/2011
23-Feb-12	2/23/2012	23-Feb-12	2/23/2012
4-Jan-13	1/4/2013	15-Jan-13	1/15/2013
10-Dec-07		30-Mar-11	3/30/2011
29-Jan-09		29-Jan-09	1/29/2009
22-Sep-09		22-Sep-09	9/22/2009
22-Oct-09		22-Oct-09	10/22/2009
25-Jul-11	7/26/2011	3-Aug-11	8/3/2011
17-Sep-13	9/17/2013	17-Sep-13	9/17/2013
6-Feb-09		8-Dec-10	12/8/2010
10-Apr-09		8-Dec-10	12/8/2010
8-Dec-10	12/8/2010	3-Feb-11	2/3/2011
2-Mar-12	3/2/2012	3-May-12	5/3/2012
22-Apr-13	4/22/2013		
2-May-13	5/2/2013		
8-Apr-08		8-Apr-08	4/8/2008
22-Jul-10	7/22/2010	22-Jul-10	7/22/2010
15-Feb-11	2/15/2011	15-Feb-11	2/15/2011
23-Apr-13	4/23/2013	23-May-13	5/23/2013
7-May-13	5/7/2013	23-May-13	5/23/2013
19-Sep-07		19-Sep-07	9/19/2007
27-Sep-07		27-Sep-07	9/27/2007
3-Oct-07		3-Oct-07	10/3/2007
26-Nov-07		26-Nov-07	11/26/2007
4-Dec-07		4-Dec-07	12/4/2007
27-Dec-07		27-Dec-07	12/27/2007
29-Dec-07		31-Dec-07	12/31/2007
2-Jan-08		2-Jan-08	1/2/2008



Category 3		430	430
Category 3		315	315
Category 3		122	0
Category 3		75	75
Category 2		1400	1400
Category 3		948	948
Category 2		1110	1110
Category 2		1655	1655
Category 3		100	100
Category 3		327	327
Category 3		250	250
Category 1		19590	18610
Category 3	827	827	827
Category 2	2000	2000	2000
Category 3		200	180
Category 1		150	50
Category 1		750	0
Category 2		6000	6000
Category 3		200	200
Category 2		1500	1500
Category 3		300	300
Category 3		750	750
Category 2		16000	16000
Category 3		350	350
Category 1		450	360
Category 3		600	600
Category 2		1609	1609
Category 3		250	250
Category 2		1015	1015
Category 2		3604	3604
Category 3		30	0
Category 1		10	0
Category 3		60	55
Category 3		25	0
Category 3		10	5
Category 3	150	150	140
Category 3		100	0
Category 3		50	0
Category 3		500	0
Category 3		500	0
Category 1		5000	0
Category 3		300	0
Category 3		300	300
Category 3		800	0
Category 3		30	30
Category 3		800	0
Category 2		34000	0
Category 3		30	0
Category 3		20	0
Category 3		150	0
Category 3		20	0
Category 3		40	0
Category 3		40	0
Category 1		2000	0
Category 3		20	0

0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	Yes
0 No	Yes
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	Yes
980 Yes	Yes
0 No	No
0 No	No
No	No
100 No	Yes
750 Yes	Yes
0 No	Yes
0 No	No
0 No	Yes
0 No	Yes
0 No	Yes
0 No	Yes
0 No	No
90 Yes	No
0 No	Yes
0 No	Yes
0 No	No
0 No	Yes
0 No	Yes
No	No
10 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
5000 Yes	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
No	No
No	No
No	No
No	No
No	No
2000 Yes	No
No	No

[illegible]

1102 West Oldfield Street  
44651 3rd Street East, Lancaster, Ca. 93535  
44133 Gadsden Avenue  
44801 Sierra Highway  
829 West Avenue J-1  
Alley B/T Cedar Ave. & Date Ave. S/S of Avenue J  
563 East Ave J-5  
44063 N Beech Avenue  
1881-0190+0191 Saigon Ave  
1355 West Ave J-3  
27th Street East and Avenue J-2  
43460 32nd Street West  
1821 West Avenue J-15  
43066 36th West, Lancaster, Ca 93536  
1994-0089  
2098-0259  
1777-0162  
40th Street East @ Noll Drive  
36902 Doheny Lane  
4604 East Ave. S, Albertsons Center  
38917 Newport Road  
503 Hilltop Terrace  
30 Street East @ Ave. S-4  
5004 Knight Way  
39254 Willowvale  
211 East Ave. R-4  
38202 Pioneer Dr  
38633 Landon Ave.  
470 Makin Avenue  
Mountain Shadows  
962 Venus Way  
Cleghorn Canyon Road  
24803 Basel Drive  
AD 4-2, Manhole 85/CO17  
23592 Lake Drive  
24690 San Moritz Way  
Mt. Tom manhole #8  
Shell Mart  
Glenbrook  
East of Highland Mobile Home Park  
Crowley Lake  
Crowley Lake  
Center St and Jackson St  
Last maint access before sewer plant in cattle pasture  
Jackson Street  
Second to last maintenance vault before the sewer plant.  
Second to last maintenance vault before the sewer plant  
Tract 51 - Chateau Bungalows  
959 Trinity Drive  
911 Hospital Road  
Lake Arrowhead  
Tract 51 - Chateau Bungalows  
828 Lachen Rd.  
28641 North Shore Road  
28147 Geneva Lane

34.683478	-118.150007 Los Angeles
34.683522	-118.116822 Los Angeles
34.68498	-118.14349 Los Angeles
34.69681	-118.13741 Los Angeles
34.68851	-118.1457 Los Angeles
34.68928	-118.13879 Los Angeles
34.6855	-118.11933 Los Angeles
34.68427	-118.1375 Los Angeles
34.70538	-118.15974 Los Angeles
34.68712	-118.1566 Los Angeles
34.687222	-118.082222 Los Angeles
34.672256	-118.18675 Los Angeles
34.67634	-118.16458 Los Angeles
34.66559	-118.19478 Los Angeles
34.58199034	118.082845 Los Angeles
34.56504419	-118.020495 Los Angeles
34.62238878	118.2098106 Los Angeles
34.553889	-118.193611 Los Angeles
34.580278	-118.033415 Los Angeles
34.550122	-118.033569 Los Angeles
34.583443	-118.150187 Los Angeles
34.566775	-118.13342 Los Angeles
34.550072	-118.066826 Los Angeles
34.566718	-118.033454 Los Angeles
34.583526	-118.150003 Los Angeles
34.568686	-118.126691 Los Angeles
34.57616	-118.01761 Los Angeles
34.58482	-118.06469 Los Angeles
34.60207	-118.13856 Los Angeles
34.55758	-118.10464 Los Angeles
34.543611	117.643333 San Bernardino
34.2873	117.35727 San Bernardino
34.23549	-117.26191 San Bernardino
34.24163	-117.2741 San Bernardino
34.241	-117.28881 San Bernardino
34.24344	-117.26489 San Bernardino
37.366699	118.433572 Inyo
37.36682	-118.383539 Inyo
37.2062	-118.25482 Inyo
37.366667	-118.4102 Inyo
37.56782	-118.73939 Mono
37.5633	-118.74087 Mono
36.8038	118.199 Inyo
36.808056	-118.185139 Inyo
36.803889	-118.198889 Inyo
36.807475	-118.187287 Inyo
36.807499	-118.187164 Inyo
34.233594	117.200019 San Bernardino
34.284444	117.239722 San Bernardino
34.250272	117.166714 San Bernardino
34.377778	117.334444 San Bernardino
34.233594	117.2000019 San Bernardino
34.269722	117.316944 San Bernardino
34.266673	117.166861 San Bernardino
34.266701	117.18343 San Bernardino

[illegible]

City mainline in aptment complex

CSMD Mapsheet 1994 Manhole 89 MMS No. 2917821

CSMD Mapsheet No. 2098 Manhole 259 MMS No. 3187574

CSMD Mapsheet 1777 Manhole 162 MMS No. 3209406

spill discharged from manhole directly into local storm drain and local drainage basin

spill discharged from manhole @ intersection ( Doheny & Cisero ) to north / west corner , curb & gutter.

Spill discharged from manhole and entered the shopping center stormdrain which flows to City stormdrain on Ave. S.

Discharge exited manhole and flowed within street curb and gutter. The discharge then entered a stormdrain catch basin

Overflow exited manhole and entered City storm drain system. Discharge entered a City maintained drainage basin wher

Discharge exited manhole at intersection of 30th East @ Ave. S-4. Traveled north within street curb and gutter and enter

Discharge exited manhole and traveled north within curb and gutter of 50th Street East.

Discharge exited manhole and traveled north on Willowvale Rd. to the end of the cul-de-sac. Some discharge left the cul

Discharge exited manhole at 211 E. Ave. R-4 traveled east within curb and gutter, then north within curb and gutter on 3r

Discharge exited mh at 38202 Pioneer Dr traveled Northeast within curb & gutter. to two drywell storm drain systems and

Discharge exited manhole at 38633 Landon Ave. traveled north within curb and gutter to Ave. Q, then east to 35th Street

Discharge exited manhole, traveled east on Makin Ave. within curb and gutter, then north on Fairway Dr. to storm drain c

Overflow discharge exited manhole and flowed north within a drainage swale of apartment complex. The discharge then

962 Venus Way, Assesment District 6, ESMT. 4N , 6 m/l

Pinhole in Forcemain just outside the Cleghorn Wastewater Treatment Plant

AD-2, 100 UPSTREAM FROM MANHOLE 147, TOWARD MANHOLE 148.

57.3 Ft. upstream from manhole 85, San Moritz Drive, AD 4-2

Assesment District 1, Upstream CO L27, Downstream M/H 247, Map Number 1 Pg. 15, Dia. of pipe 6 inch

Manhole overflow to parking lot.

East of Highlands mobile home park

Spill occured from manhole located in the back corner between two properties: 53 Sierra Springs Dr. and 71 Sierra Spring

Short main line that runs between two residences through an easment. Main line blockage caused small spill out of clean

Four inch cleanout located behind the curb coming from the inyo County Courthouse overflowed onto Jackson St

last maintenance access vault SW of plant on the main inlet pipe to sewer plant, spill occurred in cattle pasture owned by

Sewage overflowed from a 4 inch cleanout into an adjacent storm drain inlet box. Estimated quantity 30 gallons. All sew

Raw sewage spilled out of the metal covered 5x5 maintenance vault located on the inlet pipe of the sewer plant.

Raw sewage spilled out of the metal covered 5x5 maintenance vault located on the inlet pipe of the sewer plant.

Cleanout located on the edge of State Highway 189 below the Chateau Bungalows.

Manhole overflowing in the back yard of the given residence on the hillside in the backyard sewer easement.

Manhole on the side of the hillside over flowed onto Hospital Road. Wastewater continued down the road for approximat

Small amount of wastewater was coming out of a brick wall at house location east of mh # E-8 E504

Cleanout located on the edge of State Highway 189 below the chateau Bungalows

Manhole located on the edge of Lachen Rd. at the given address was backed up and overflowing onto the edge of the roa

Manhole backed up and spilled onto the access road at the given address. The wastewater contined to flow down the acc

Manhole located in back yard in the easement backed up and over flowed onto the dirt. The pipeline impacted only servi

1  
1

which conveyed the flow to a City drain  
e the outlet was blocked and the discha  
ed City stormdrain system at 30th Stree

-de-sac and entered a ungraded/mainta  
d St. E. and entered a storm drain catch  
l a catch basin and north in stromdrain p  
East within curb and gutter, then north e  
atch basin inlet. Discharge then travel  
entered the storm drain system where it

1

js Dr.  
out.

LADWP  
age was contained in the storm drain inl

ely 200 feet to dirt area where District cr

id and flowing down the street approxim  
ess road for approximately 150 feet wh  
ces two homes with minimal flow.



Manhole  
Manhole  
Manhole  
Gravity sewer;Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Gravity Mainline;Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Gravity sewer;Manhole  
Gravity sewer  
Force main or pressure sewer  
Manhole  
Gravity sewer  
Gravity sewer  
Manhole  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Manhole  
Other (specify)  
Other sewer system structure  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Building or structure  
Other (specify)  
Gravity sewer  
Gravity sewer  
Gravity sewer

Flowing from manhole lid pick hole.

Broken 6 VCP mainline sewer, Contractor broke pipe while grading private driveway.  
Pinhole in Forcemain that runs from the Cleghorn WWTP to the Districts Outfall spill discharge was outside of the plant ju

lateral clean out  
Four inch cleanout located behind the curb.  
Overflow at maintenance access vault

Spill was in an irrigated cattle pasture.  
Spill was in an irrigated cattle pasture

Wastewater seeping out of a brick wall between mh# E-8 E504 and E-8 E502.  
Flowed onto dirt and soaked into the ground.

Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Street/curb and gutter  
Other paved surface;Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Separate storm drain  
Separate storm drain;Street/curb and gutter  
Separate storm drain  
Street/curb and gutter  
Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Other (specify below)  
Paved Surface  
Paved Surface;Street/Curb and Gutter;Unpaved surface  
Street/curb and gutter  
Other (specify below)  
Storm drain;Other (specify below)  
Storm drain;Other (specify below)  
Street/curb and gutter  
Storm drain  
Other (specify below)  
Storm drain;Other (specify below)  
Storm drain;Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter;Unpaved surface;Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Separate storm drain  
Unpaved surface  
Surface water  
Other paved surface  
Other paved surface  
Unpaved surface  
Other (specify below)  
Unpaved surface  
Other paved surface  
Other paved surface  
Other (specify below)  
Surface water;Unpaved surface  
Other paved surface;Unpaved surface  
Unpaved surface  
Unpaved surface  
Combined storm drain (combined CS only)  
Other (specify below)  
Other (specify below)  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Other paved surface  
Other paved surface  
Unpaved surface  
Beach;Building or structure;Other paved surface;Storm drain;Street/curb and gutter;Surface water  
Unpaved surface

Retention Basin at 35th St W & W Avenue J

Catch Basin

Spill overflowed from manhole 162 into a storm drain, which leads to Armagosa Creek.  
local drainage basin.

Spill final destination was a City maintained drainage basin.  
City maintained drainage basin.

Ungraded/maintained drainage ditch north of cul-de-sac

Discharge final destination was a drainage basin.

Destination was a storm water retention basin

Final destination of discharge was a drainage swale that does not outlet to surface waters.

Spill final destination was a City maintained storm water detention basin located on Ave O and Sierra Highway.

West Fork of the Mojave River

Sand bagged in front of street culvert to act as catch basin for containment and recovery.

Parking Lot.

Open Field

Spill entered storm drain that ends on an unpaved surface drainage ditch on LADWP property  
cattle pasture

All sewage spilled into a storm drain inlet box. All sewage material was removed from the inlet box and disposed of.

Irrigated cattle pasture, land owned by City of Los Angeles/LADWP.

Irrigated cattle pasture, onto land owned by City of Los Angeles/LADWP

Flowed onto dirt and soaked into the ground.

2/28/2011 18:05	2/28/2011 18:05	2/28/2011 18:15	2/28/2011 19:41
3/6/2011 17:30	3/6/2011 17:30	3/6/2011 18:00	3/6/2011 19:15
4/11/2011 22:35	4/11/2011 22:35	4/11/2011 23:00	4/12/2011 0:37
5/23/2011 8:10	5/23/2011 8:40	5/23/2011 8:50	5/23/2011 9:02
6/15/2011 10:00	6/15/2011 12:05	6/15/2011 12:19	6/15/2011 12:26
8/8/2011 8:00	8/8/2011 10:13	8/8/2011 10:13	8/8/2011 11:10
8/5/2011 0:00	8/5/2011 17:38	8/5/2011 18:05	8/5/2011 19:23
10/7/2011 4:00	10/7/2011 8:15	10/7/2011 8:30	10/7/2011 9:31
1/27/2012 20:00	1/27/2012 20:24	1/27/2012 20:30	1/27/2012 20:49
8/23/2012 10:30	8/23/2012 11:25	8/23/2012 11:40	8/23/2012 11:40
12/4/2012 13:19	12/4/2012 14:15	12/4/2012 14:19	12/4/2012 15:24
3/1/2013 0:00	3/4/2013 12:48	3/4/2013 13:00	3/4/2013 14:18
10/13/2013 0:00	10/13/2013 18:40	10/13/2013 19:00	10/13/2013 19:00
10/29/2013 10:30	10/29/2013 12:50	10/29/2013 13:02	10/29/2013 13:50
12/12/2007 15:45	12/12/2007 15:45	12/12/2007 16:10	12/12/2007 16:30
12/7/2008 16:30	12/7/2008 16:30	12/7/2008 17:15	12/7/2008 17:20
1/10/2009 13:48	1/10/2009 13:48	1/10/2009 14:45	1/10/2009 15:00
9/22/2009 10:50	9/22/2009 10:50	9/22/2009 11:15	9/22/2009 11:50
12/19/2009 11:15	12/19/2009 11:23	12/19/2009 12:07	12/19/2009 11:30
12/25/2009 11:00	12/25/2009 11:05	12/25/2009 11:10	12/25/2009 1:08
1/29/2010 12:58	1/29/2010 12:58	1/29/2010 13:35	1/29/2010 13:54
3/8/2010 18:00	3/9/2010 7:20	3/9/2010 7:32	3/9/2010 8:45
3/18/2010 20:45	3/18/2010 20:45	3/18/2010 21:20	3/18/2010 23:24
7/18/2010 22:00	7/18/2010 23:15	7/19/2010 0:15	7/19/2010 1:00
9/19/2010 11:00	9/19/2010 11:35	9/19/2010 12:00	9/19/2010 13:35
2/2/2011 16:45	2/2/2011 17:27	2/2/2011 17:32	2/2/2011 18:49
2/28/2011 19:00	3/1/2011 11:10	3/1/2011 11:20	3/1/2011 11:51
9/15/2011 0:00	9/15/2011 21:45	9/15/2011 22:00	9/15/2011 22:30
2/18/2012 0:00	2/18/2012 11:40	2/18/2012 12:00	2/18/2012 13:20
12/31/2012 8:00	12/31/2012 8:53	12/31/2012 9:30	12/31/2012 11:10
12/6/2007 8:10	12/6/2007 8:10	12/6/2007 8:15	12/6/2007 9:10
1/27/2009 2:15	1/27/2009 2:15	1/27/2009 3:00	1/27/2009 3:30
9/22/2009 9:30	9/22/2009 0:00	9/22/2009 9:38	9/22/2009 10:10
10/22/2009 8:40	10/22/2009 8:50	10/22/2009 8:55	10/22/2009 9:15
7/20/2011 8:00	7/25/2011 10:10	7/25/2011 10:40	7/25/2011 13:30
9/17/2013 8:00	9/17/2013 8:05	9/17/2013 8:10	9/17/2013 8:20
1/11/2009 14:20	1/11/2009 14:30	1/11/2009 14:35	1/11/2009 14:45
3/22/2009 9:00	3/22/2009 9:05	3/22/2009 9:15	3/22/2009 9:20
12/9/2009 15:15	12/9/2009 15:50	12/9/2009 16:00	12/9/2009 16:20
2/28/2012 17:10	2/28/2012 17:30	2/28/2012 18:00	2/28/2012 18:20
4/14/2013 0:00	4/16/2013 11:00	4/16/2013 11:20	4/16/2013 13:00
4/2/2013 20:00	4/2/2013 20:00	4/2/2013 20:15	4/3/2013 9:30
4/3/2008 11:00	4/3/2008 11:30	4/3/2008 12:30	4/3/2008 15:00
7/21/2010 17:00	7/21/2010 17:40	7/21/2010 18:00	7/21/2010 20:00
2/14/2011 10:30	2/14/2011 10:40	2/14/2011 11:00	2/14/2011 1:15
4/23/2013 0:00	4/23/2013 11:15	4/23/2013 10:00	4/23/2013 11:15
5/6/2013 0:00	5/6/2013 14:55	5/6/2013 14:55	5/6/2013 15:41
9/18/2007 8:45	9/18/2007 9:45	9/18/2007 10:00	9/18/2007 10:20
9/27/2007 8:00	9/27/2007 8:00	9/27/2007 9:10	9/27/2007 9:59
10/1/2007 8:35	10/1/2007 8:35	10/1/2007 8:40	10/1/2007 8:55
11/24/2007 8:15	11/24/2007 8:30	11/24/2007 9:00	11/24/2007 11:30
11/3/2007 8:10	11/3/2007 8:10	11/3/2007 8:20	11/3/2007 9:10
12/26/2007 9:15	12/26/2007 9:17	12/26/2007 9:30	12/26/2007 9:55
12/29/2007 11:00	12/29/2007 11:00	12/29/2007 11:10	12/29/2007 16:00
12/31/2007 17:50	12/31/2007 17:50	12/31/2007 18:20	12/31/2007 18:45

Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease Deposition (FOG)  
Grease Deposition (FOG)  
Vandalism  
Other (specify below)  
Debri-Rags  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Other (specify below)  
Pipe structural problem/failure  
Root intrusion  
Root intrusion  
Root intrusion  
Pump Station Failure-Controls  
Root intrusion  
Debri-Rags  
Root intrusion  
Debri-Rags  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Debri-General  
Root intrusion  
Debri-General  
Debri-General  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Pipe structural problem/failure  
Root intrusion  
Root intrusion  
Other (specify below)

Rags

Private Contractor grading for a new private driveway on private property hit the 6 M/L sewer that was located in a market. After crew televised, found section of top pipe missing, with root intrusion, appears other utility may have damaged C.S.D.

Blockage, our sewer main in Market was cleaned and videoed on Friday April 19th, the other sewer main is owned and operated by Inyo County. Blockage from debris coming from Inyo County Jail, towels, bottles, plastic bags etc.

Removed large quantity of paper towels

Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Gravity Mainline  
Gravity Mainline

Main

Main  
Main  
Main  
Main  
Other (specify below)  
Main  
d easment.  
Main  
Main  
Main  
Main  
Manhole

Main  
Main  
Main  
Main  
Main

Main  
Main  
Main  
Main



No failure occurred.

backup in main inlet to sewer plant

Most likely blockage in this inlet pipe upstream of Valley View sewer main owned by Inyo County.  
Inlet main several hundred feet upstream of the sewer plant.

No  
No

8 VCP

8 VCP  
8 VCP  
8 VCP  
8 VCP  
8 VCP  
10 VCP  
8 VCP  
8 VCP  
8 VCP  
8 VCP  
8 VCP  
8 VCP  
8 VCP  
6 VCP

8 ACP  
8 VCP  
6 VCP  
8 AC

No

10 Clay  
6  
8  
4 clay  
8 pvc  
4  
8 PVC  
8 PVC  
6 concrete  
6 AC  
8 concrete  
6 concrete  
  
6 acp  
8 ACP  
6 ACP

348

22

21

19

20

27

24

24

51

28

6

55

48

39

30

1968

41

50

480

30

1936

2002

1936

2001

2001

58

36

57

75

40

53

48



Transported Spill Contents to Los Angeles County Sanitation District Treatment Plant Palmdale Ca.

Discussed clean up plan with Regional Water Board contact and received approval to disinfect retention basin rather than

Upon arrival Manhole 259 was up but not overflowing.

Hydro equipment was used to break down (debris/rags) stoppage and restored flow. Washed and vacuumed the effected

Shut down the Cleghorn WWTP and drained the forcemain

Created containment area, utilized tanker to recover flow, utilized hydro cleaner to remove stoppage, televised and marked

Snaked 4 inch sewer main to removed any roots, flushed sewer line.

Used Hydrojet equipment to clear blockage.

Used Hydrojet to clear blockage of sewer main.,

6/15/2011 14:30

8/6/2011 3:00  
10/7/2011 16:54

3/6/2013 14:15

10/29/2013 15:00

12/7/2008 18:00  
1/10/2009 16:22  
9/30/2009 5:00

12/30/2009 12:00

3/23/2010 15:00

9/19/2010 14:30

3/1/2011 14:00

2/19/2012 11:30  
1/3/2013 12:00

1/27/2009 4:00

4/16/2013 16:00

5/6/2013 15:45

12/29/2007 18:00

Added sewer to preventive maintenance program

Added sewer to preventive maintenance program

Added sewer to preventive maintenance program

Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program;Inspected Sewer Using CCTV to Determine Cause

Added sewer to preventive maintenance program

Added sewer to preventive maintenance program

Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance;Enforcement acti

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance;Other (specify below)

Adjusted schedule/method of preventive maintenance;Other (specify below)

Plan rehabilitation or replacement of sewer

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance;Enforcement acti

Added sewer to preventive maintenance program

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Apartment complex management volunteered to be added to Pilot Program in which non-regulated residential customers

Residential door hangers will be distributed to contributing flow areas with FOG information. Country Club Restaurant will FOG public outreach materials were distributed to tributary area.

Video inspect sewer main and check macerator grinder operation.



No

No  
Yes

No

No

No  
No  
No

No

No

No

No

No  
No

Yes

No

Yes

Yes

no visible evidence remained after clean-up: no sheen and no odors present at completion.

No impact to receiving waters.  
No receiving waters were impacted.

N/A  
Spill was 10 gallons no visual effects  
None.  
None.

No visible impacts

remaining flow went into sewer plant

N/A  
Cloudy, area was treated with hypochlorite and flushed with irrigation water per the direction of Inyo County Environment:  
Cloudy, area was sprayed to disinfect with sodium hypochlorite.  
None  
None  
None

None  
Samples taken at the point of entry and 1,000 feet each direction from point of entry at approximately 1630 pm. No visual  
None.

No

No

No

No

No

No

No

Yes

No

No

No

Yes

Yes

No

No

No

Yes

N/A  
N/A  
N/A

N/A

NA

N/A  
No beaches were impacted.

N/A

N/A  
none

NA

None  
None  
N/A  
None  
N/A  
N/A  
None  
N/A  
None  
None  
N/A  
35th West Retention Basin

N/A  
Armagosa Creek  
N/A

N/A

NA

Surface waters were not impacted.  
No surface waters were impacted.  
No surface water's were impacted  
No surface waters were impacted.  
No surface waters were impacted.  
No surface waters were impacted.

N/A

None.

NA  
NA  
NA  
Whiskey Creek, Crowley Lake  
none

N/A  
none  
none

Lake Arrowhead

No water quality samples taken

No water quality samples taken  
Not applicable to this spill

No water quality samples taken

No water quality samples taken  
No water quality samples taken  
Biological indicator(s) - specify below

No water quality samples taken

Other chemical indicator(s) - specify below

No water quality samples taken

No water quality samples taken;Not applicable to this spill

No water quality samples taken  
No water quality samples taken

Other chemical indicator(s) - specify below

Biological indicator(s) - specify below

Other (specify below)

Other (specify below)

Total Coliform and E. coli

Field test samples analyzed for ammonia.

Fecal Strep and Total Coliform

Total coliform/EColi

Total coliform and e-coli.

Total Coli, F. Coli, Fecal Strep, MBAS, NH3-N, ph

No water quality samples taken

No water quality samples taken  
Not applicable to this spill

No water quality samples taken

No water quality samples taken  
No water quality samples taken  
None of the above

None of the above

None of the above

No water quality samples taken

None of the above

No water quality samples taken  
No water quality samples taken

Regional Water Quality Control Board

County Health Agency;Regional Water Quality Control Board

County Health Agency;Regional Water Quality Control Board

County Health Agency;Regional Water Quality Control Board



Samples were taken only to verify spill had entered storm drain line.

No water quality samples were taken.

Samples pending, samples are processed by Inyo County and will be sent to the Regional Board.

Area measurements of spill contents

Utilized District Tanker Truck measuring device (Meter), to measure recovery volume.

111363	3/6/2011 19:30
113578	6/15/2011 13:30
114658	8/5/2011 19:55
115978	10/7/2011 10:31
120578	1/27/2012 23:05
131321	3/4/2013 15:49
77677	12/12/2007 17:10
88742	12/7/2008 17:11
90211	1/10/2009 14:01
96479	9/22/2009 12:27
98440	12/19/2009 12:09
98564	12/25/2009 1:23
100784	1/29/2010 14:39
101653	3/9/2010 9:10
101885	3/18/2010 22:22
104327	7/19/2010 2:35
105636	9/19/2010 0:00
110674	2/2/2011 18:19
111259	3/1/2011 11:36
115501	9/16/2011 0:30
120958	2/18/2012 13:20
128007	12/31/2012 11:00
77536	12/6/2007 11:24
90819	1/27/2009 3:40
132299	4/16/2013 18:45
82541	4/3/2008 16:15
110919	2/15/2011 2:00
132718	5/6/2013 15:48
78000	12/29/2007 17:20

Bruce Katz - Lead Utility Maintenance Worker  
Bruce Katz - Lead Utility Maintenance Worker

6619456884  
6619456884

Rick Dever, Operations Manager

9093381751

6SSO11152	Active	711419 Robert H. Ardis	Certified
6SSO11152	Active	712260 Robert H. Ardis	Certified
6SSO11152	Active	713153 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	715582 Robert H. Ardis	Certified
6SSO11152	Active	716007 Robert H. Ardis	Certified
6SSO11152	Active	716095 Robert H. Ardis	Certified
6SSO11152	Active	716936 Robert H. Ardis	Certified
6SSO11152	Active	718277 Robert H. Ardis	Certified
6SSO11152	Active	719839 Robert H. Ardis	Certified
6SSO11152	Active	720201 Robert H. Ardis	Certified
6SSO11152	Active	720225 Robert H. Ardis	Certified
6SSO11152	Active	722332 Robert H. Ardis	Certified
6SSO11152	Active	722337 Robert H. Ardis	Certified
6SSO11152	Active	723239 Robert H. Ardis	Certified
6SSO11152	Active	725908 Robert H. Ardis	Certified
6SSO11152	Active	726454 Robert H. Ardis	Certified
6SSO11152	Active	727779 Robert H. Ardis	Certified
6SSO11152	Active	728475 Robert H. Ardis	Certified
6SSO11152	Active	728625 Robert H. Ardis	Certified
6SSO11152	Active	728775 Robert H. Ardis	Certified
6SSO11152	Active	732139 Robert H. Ardis	Certified
6SSO11152	Active	732582 Robert H. Ardis	Certified
6SSO11152	Active	732775 Robert H. Ardis	Certified
6SSO11152	Active	733055 Robert H. Ardis	Certified
6SSO11152	Active	734212 Robert H. Ardis	Certified
6SSO11152	Active	734452 Robert H. Ardis	Certified
6SSO11152	Active	734821 Robert H. Ardis	Certified
6SSO11152	Active	735757 Robert H. Ardis	Certified
6SSO11152	Active	736007 Robert H. Ardis	Certified
6SSO11152	Active	736415 Robert H. Ardis	Certified
6SSO11152	Active	736526 Robert H. Ardis	Certified
6SSO11152	Active	736638 Robert H. Ardis	Certified
6SSO11152	Active	737122 Robert H. Ardis	Certified
6SSO11152	Active	737191 Robert H. Ardis	Certified
6SSO11152	Active	737951 Robert H. Ardis	Certified
6SSO11152	Active	739059 Robert H. Ardis	Certified
6SSO11152	Active	739686 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	739695 Robert H. Ardis	Certified
6SSO11152	Active	739782 Robert H. Ardis	Certified
6SSO11152	Active	739880 Ronald W. Fussell	Certified
6SSO11152	Active	740622 Robert H. Ardis	Certified
6SSO11152	Active	740737 Robert H. Ardis	Certified
6SSO11152	Active	740782 Robert H. Ardis	Certified
6SSO11152	Active	741008 Robert H. Ardis	Certified
6SSO11152	Active	741502 Robert H. Ardis	Certified
6SSO11152	Active	741851 Robert H. Ardis	Certified
6SSO11152	Active	741900 Robert H. Ardis	Certified
6SSO11152	Active	741903 Robert H. Ardis	Certified
6SSO11152	Active	743188 Robert H. Ardis	Certified
6SSO11152	Active	743198 Robert H. Ardis	Certified
6SSO11152	Active	743746 Robert H. Ardis	Certified
6SSO11152	Active	744045 Robert H. Ardis	Certified
6SSO11152	Active	746818 Robert H. Ardis	Certified
6SSO11152	Active	747160 Robert H. Ardis	Certified
6SSO11152	Active	747795 Ronald W. Fussell Jr.	Certified



1053 am	11:15 AM	202988
Lake Arrowhead Ca.		700240
		473033
	3:26 PM	645260
	9:05 AM	427277
	2:53 PM	665060
	11:06 AM	133320
	9:18 AM	802257
	8:46 AM	395137
	10:25 AM	992161
	3:26 PM	373138
	3:26 PM	904632
	3:30 PM	118782
	4:07 PM	549124
	3:53 PM	880044
	8:16 AM	447058
	2:11 PM	434887
	9:18 AM	110442
	1:20 PM	670451
	12:27 PM	880427
	9:35 AM	226089
	8:57 AM	360914
	2:05 PM	840799
	10:15 AM	975385
	8:49 AM	345621
	3:51 PM	457867
	11:30 AM	906357
	7:57 AM	547584
	9:32 AM	545556
2:50 P.M.		302218
	3:18 PM	175510
	3:21 PM	166923
10:47 a.m.		464934
4:50 p.m.		632044
	3:40 PM	452758
	9:31 AM	212792
Lake Arrowhead Ca.		606651
8:45AM		454094
	1:38 PM	297164
Lake Arrowhead Ca.		182515
	4:07 PM	557408
	8:23 AM	970786
	1:24 PM	445176
	2:21 PM	978360
	8:46 AM	473321
3:04 P.M.		146839
	8:35 AM	781232
	8:31 AM	438274
11:44 A.M.		618583
11:47 A.M.		378745
1:20 P.M.		933648
	8:36 AM	342831
8:37 A.M.		998732
	4:31 PM	641267
Lake Arrowhead Ca.		344304

18-Jan-08	18-Jan-08	1/18/2008
4-Feb-08	4-Feb-08	2/4/2008
20-Feb-08	20-Feb-08	12/8/2010
31-Mar-08	31-Mar-08	3/31/2008
10-Apr-08	10-Apr-08	4/10/2008
11-Apr-08	11-Apr-08	4/11/2008
5-May-08	5-May-08	5/5/2008
29-May-08	29-May-08	5/29/2008
18-Jun-08	19-Jun-08	6/19/2008
24-Jun-08	24-Jun-08	6/24/2008
24-Jun-08	24-Jun-08	6/24/2008
14-Jul-08	14-Jul-08	7/14/2008
14-Jul-08	14-Jul-08	7/14/2008
23-Jul-08	23-Jul-08	7/23/2008
8-Sep-08	9-Sep-08	9/9/2008
17-Sep-08	22-Sep-08	9/22/2008
13-Oct-08	13-Oct-08	10/13/2008
24-Oct-08	27-Oct-08	10/27/2008
28-Oct-08	28-Oct-08	10/28/2008
31-Oct-08	31-Oct-08	10/31/2008
20-Jan-09	20-Jan-09	1/20/2009
27-Jan-09	27-Jan-09	1/27/2009
29-Jan-09	29-Jan-09	1/29/2009
4-Feb-09	11-Feb-09	2/11/2009
26-Feb-09	27-Feb-09	2/27/2009
2-Mar-09	2-Mar-09	3/2/2009
11-Mar-09	11-Mar-09	3/11/2009
1-Apr-09	2-Apr-09	4/2/2009
6-Apr-09	7-Apr-09	4/7/2009
16-Apr-09	16-Apr-09	4/16/2009
20-Apr-09	20-Apr-09	4/20/2009
22-Apr-09	22-Apr-09	4/22/2009
5-May-09	5-May-09	5/5/2009
6-May-09	6-May-09	5/6/2009
26-May-09	26-May-09	5/26/2009
12-Jun-09	15-Jun-09	6/15/2009
22-Jun-09	23-Jun-09	12/8/2010
22-Jun-09	23-Jun-09	6/23/2009
23-Jun-09	23-Jun-09	6/23/2009
24-Jun-09	24-Jun-09	12/8/2010
2-Jul-09	2-Jul-09	7/2/2009
6-Jul-09	7-Jul-09	7/7/2009
7-Jul-09	7-Jul-09	7/7/2009
14-Jul-09	14-Jul-09	7/14/2009
20-Jul-09	21-Jul-09	7/21/2009
27-Jul-09	27-Jul-09	7/27/2009
27-Jul-09	28-Jul-09	7/28/2009
27-Jul-09	28-Jul-09	7/28/2009
18-Aug-09	18-Aug-09	8/18/2009
18-Aug-09	18-Aug-09	8/18/2009
26-Aug-09	26-Aug-09	8/26/2009
31-Aug-09	1-Sep-09	9/1/2009
17-Nov-09	18-Nov-09	11/18/2009
30-Nov-09	30-Nov-09	11/30/2009
22-Dec-09	23-Dec-09	12/8/2010



Category 3	10	0
Category 3	40	0
Category 3	250	50
Category 3	50	0
Category 3	30	0
Category 3	5	0
Category 1	3000	700
Category 3	30	25
Category 1	2500	500
Category 3	75	0
Category 1	5	0
Category 3	25	5
Category 3	30	0
Category 3	75	0
Category 3	150	150
Category 3	3	0
Category 3	90	65
Category 1	300	200
Category 3	20	0
Category 3	20	0
Category 3	15	0
Category 3	35	0
Category 3	100	75
Category 3	15	0
Category 3	120	75
Category 3	15	0
Category 3	2	0
Category 3	50	30
Category 3	20	0
Category 3	5	0
Category 3	40	0
Category 3	100	90
Category 3	5	0
Category 1	450	300
Category 3	200	100
Category 3	40	25
Category 3	15	0
Category 3	50	0
Category 3	380	0
Category 3	25	10
Category 3	20	0
Category 3	45	45
Category 3	40	0
Category 3	15	0
Category 3	10	10
Category 3	60	30
Category 3	10	2
Category 3	300	250
Category 3	5	0
Category 3	50	0
Category 3	10	0
Category 3	30	0
Category 3	1	0
Category 3	5	5
Category 1	100	0

No	No
No	No
0 No	No
0 No	No
0 No	No
0 No	No
2300 Yes	Yes
0 No	No
2000 Yes	Yes
0 No	No
5 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
100 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
150 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
50 Yes	Yes

[illegible]

1370 Monteral Dr.  
201 Fremont Dr.  
283 Loch Leven Rd. Lake Arrowhead California  
284 Walnut Drive Lot 57 Tract 73  
27981 State Hwy 189  
363 Hemlock  
Manhole in yard at 26563 State Hwy 189  
Walnut Drive Intersection of State Hwy 173  
26677 Lake Forest Drive  
323 West Victoria Court (Arrowhead Villas) Lake Arrowhead  
242 Fremont Drive Lake Arrowhead Ca.  
27764 Hamiltaire Drive Lake Arrowhead, Ca. 92352  
205 State Hwy 173 Lake Arrowhead, Ca. 92352  
27710 Hamiltare Dr.  
911 Hospital Road, Lake Arrowhead Ca. 92352  
165 State Hwy 173 Lake Arrowhead Ca.  
28741 Palisades Dr. Lake Arrowhead Ca.  
250 Golf Course Rd. Lake Arrowhead  
27275 Peninsula Dr.  
499 Gof Course Rd.  
286 Hemlock Drive Lake Arrowhead California  
28905 Palisades Drive Lake Arrowhead Ca.  
957 Lachen Drive Lake Arrowhead Ca.  
27166 Arrowhead Drive Lake Arrowhead Ca.  
227 John Muir Rd. Lake Arrowhead  
363 Hemlock Dr. Lake Arrowhead Ca.  
194 Maple Drive Lake Arrowhead Ca. 92352  
27464 Alpen Drive Lake Arrowhead Ca.92352  
1039 Pintail Circle Lake Arrowhead Ca. 92352  
405 Brentwood Drive Lake Arrowhead California  
376 Primrose Circle Lake Arrowhead California 92352  
286 Red Rock Road Lake Arrowhead California 92352  
27993 North Shore Road Lake Arrowhead Ca. 92352  
28641 North Shore Road  
28411 North Shore Road Lake Arrowhead Ca. 92352  
26816 State Hwy 189 Lake Arrowhead California  
26652 Lake Forest Dr.  
875 Shelter Cove Drive Lake arrowhead  
495 Riviera Drive  
447 Grass Valley Road Lake Arrowhead  
261 Freemont Drive Lake Arrowhead California 92352  
145 Rocky Point Road Lake Arrowhead California  
226 Holiday Drive Lake Arrowhead California 92352  
28246 North Shore Road Lake Arrowhead California 92352  
369 Highland Drive Lake Arrowhead California 92352  
336 Flower Drive Lake Arrowhead California  
794 Grass Valley Road Lake Arrowhead California  
27555 North Bay Road Lake Arrowhead California  
1330 Toronto Drive Lake Arrowhead California 92352  
465 South State Highway 173 Lake Arrowhead California 92352  
27589 Matternorn Drive Lake Arrowhead California 92352  
117 Grass Valley Road Lake Arrowhead California 92352  
27588 Matterhorn  
28400 Old North Shore Road, Lake Arrowhead California 92352  
1450 Deer Way, Deer Lodge Park, California

34.266701	117.166897 San Bernardino
34.233602	117.16683 San Bernardino
34.475	-117.322778 San Bernardino
34.333056	117.280833 San Bernardino
34.258333	117.34 San Bernardino
34.355556	117.305 San Bernardino
34.280278	117.204167 San Bernardino
34.327778	117.271944 San Bernardino
34.473056	117.251667 San Bernardino
34.473056	117.251667 San Bernardino
34.250833	117.299444 San Bernardino
34.382778	117.242778 San Bernardino
34.442778	117.418333 San Bernardino
34.250206	117.183583 San Bernardino
34.520556	117.2125 San Bernardino
34.279167	117.391667 San Bernardino
34.378333	117.3375 San Bernardino
34.340278	117.470556 San Bernardino
34.433333	117.335556 San Bernardino
34.403056	117.475833 San Bernardino
34.3325	117.315556 San Bernardino
34.376667	117.269444 San Bernardino
34.266944	117.316389 San Bernardino
34.332222	117.176111 San Bernardino
34.31	117.363889 San Bernardino
34.356389	117.305833 San Bernardino
34.302778	-117.3 San Bernardino
34.312778	-117.269722 San Bernardino
34.255278	-117.179722 San Bernardino
34.366667	-117.339722 San Bernardino
34.457222	-117.223889 San Bernardino
34.481944	-117.4 San Bernardino
34.502778	-117.343611 San Bernardino
34.291389	-117.3425 San Bernardino
34.511389	-117.184722 San Bernardino
34.412222	-117.431667 San Bernardino
34.233458	-117.216775 San Bernardino
34.250251	-117.1669 San Bernardino
34.394444	-117.21674 San Bernardino
34.250132	-117.200237 San Bernardino
34.479167	-117.334722 San Bernardino
34.509722	-117.224444 San Bernardino
34.255	-117.335278 San Bernardino
34.481667	-117.245833 San Bernardino
34.358611	-117.330556 San Bernardino
34.469722	-117.214722 San Bernardino
34.266675	-117.215833 San Bernardino
34.266675	-117.248333 San Bernardino
34.387222	-117.355278 San Bernardino
34.421667	-117.345833 San Bernardino
34.340278	-117.224722 San Bernardino
34.340261	-117.22473 San Bernardino
34.350833	-117.234444 San Bernardino
34.257778	-117.443889 San Bernardino
34.422222	-117.373611 San Bernardino

[illegible]

Stoppage occurred on an easement line located behind the given address, a deadend clean out was weeping out onto the Manhole located in the street in front of the given address backed up and over flowed onto the street.

Surcharged manhole on Loch Leven overflowed and ran down the street. Wastewater was diverted into the downstream r Sewer line overflowing into the home and onto the ground.

Wastewater had flowed out of MH G6-B6-04 and onto the dirt. District staff responded and no wastewater was overflowing

Manhole had overflowed onto the ground in the backyard at 363 Hemlock. Estimated overflow was 5 gallons of wastewater

Manole overflowed into a culvert pipe

Wastewater flowed onto dirt. A crew built a dike and trapped the overflow until the Vac-Con arrived to suck up the waste

Manhole in the street at the given address overflowed and ran down a culvert pipe. The culvert pipe in turn flows into Gra

Manhole overflowed onto the dirt below 323 W. Victoria Court. No wastewater was recovered. However the are was clean

Manhole that was overflowing was about 5 feet from Orchard Creek.

Overlowing manhole in an easement below porperty address. Crew was able to bucket all but 5 gallons back into the syst

Wastewater overflowed out of a clean out 15 feet upstream from the District manhole cover.

Manhole located behind the given address was weeping out of the manhole cover onto the dirt.

Wastewater overlowed out of a manhole and down the street. Vac-Con was used to recover the wastewater and then put

Surcharged manhole discharged 3 gallons of wastewater. Line will be root foamed to prevent further problems.

Manhole overflowing in the street.

Manhole overflowed into a concrete channel on the Golf Course and then flowed approximatley 1,500 feet into Grass Vall

Manhole located in the access road behind the given address.

Manhole located behind the given address in the easement.

Manhole is located in the backyard of the property. Manhole overflowed onto the dirt in the backyard.

This was an easement line between two houses. Manhole overflowed and soaked into the vegation.

Wastewater came up in the street from a paved over manhole and ran down the street. A dike was built and the wastewa

Manhole overflowed in the street. Wastewater soaked into the dirt.

Spill on hillside in an easment. Most of the wastewater soaked into the dirr.

Manhole overflowed in backyard and soaked into the dirt.

Wastewater flowed out of a manhole in the street and soaked into the dirt.

Manhole in easement on an access road. Manhole overflowed and ran down the access road.

Manole at top of driveway at 1039 Pintail Circle

Private clean out overflowed due to a blockage in the Districts line.

Manhole on dirt road portion of Primrose Circle overflowed and soaked into the dirt.

Wastewater surfaced from under the asphalt. A dike was built and the Vac-Con vacumed up the overflow.

A 6 District cleanout in the residence backyard overflowed and soaked into the dirt.

Easment manhole overflowed into a seasonal creek. Wastewater flowed downstream towards the lake. Creek dried up ap

Wastewater overflowed in the homeowners driveway.

Wastewater was seeping out of a paved over manhole cover on the edge of the Highway.

Manhole located off of the roadway on an easement line was seeping out of the manhole into the dirt where it soaked into

Manhole located in the easement located below the given address on a dirt walking trail. Approximately 50 gallons of wa

Manhole located behind the home on the easement that meets the Lake Arrowhead Country Club Golf Course. Manhole

Manhole located on access road behind the given address was weeping out of the manhole cover onto the access road at

Wastewater was weeping out of a paved over manhole

Manhole overflowed and wastewater was diverted into a downstream manhole.

District 6 cleanout overflowed and soaked into the dirt hillside at the corner of the property.

Wastewater overflowed out of a manhole and soaked into a dirt parking area.

Surcharged manhole in the street. Used the Vac-Con to vacumm up the overflow.

Wastewater was bubbling out of the ground. The crew onsite diverted the flow into a downstream manhole.

Manhole overflowed into the street the Vac-Con was used to recover 2 gallons.

Manhole overflowed into the street. The Vac-Con was used to recover 250 gallons. The remainder soaked into the dirt.

Wastewater flowed out of customer cleanout and soaked into the dirt. There was no overflow occuring when District staff

Wastewater overflowed out of a manhole and soaked into the dirt. District staff built a dike to contain the overflow which s

Private 4 cleanout overflowed and soaked into the dirt.

Wastwater overflowed out of a manhole cover and soaked into the dirt.

Manhole in the street

Wastewater was standing around the manhole. When the problem was relieved the wastewater drained into the manhole.

Wastewater overflowed form the Dry Well at Station 14A. Overflow was due to a pipe line failure on the discharge side of

dirt. The pipeline only serves two home  
nanhole with a dirt dam upon arrival.

g at that time.  
er.

water.  
ss Valley Creek.  
ied up and disinfected.

em.

it back into the system.

ley Creek.

er was vacuummed up with the Vac-Con.

proximatley 50 yards from the lake.

the ground.  
stewater spilled into the dirt and soaked  
overflowed approximately 380 gallons o  
nd draining over the hillside where a sm

arrived.  
soaked into the dirt before recovering.

the wastewater pump.



Gravity sewer  
Gravity sewer  
Manhole  
Other (specify)  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Other sewer system structure  
Gravity sewer  
Manhole  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Gravity sewer  
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Gravity sewer  
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Gravity sewer  
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Gravity sewer;Manhole  
Gravity sewer  
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Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Manhole  
Manhole  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Other sewer system structure  
Manhole  
Gravity sewer  
Gravity sewer  
Gravity sewer;Manhole  
Manhole  
Force main or pressure sewer

Sewer line backed up into the home and also overflowed approximately 50 gallons onto the ground.

Clean out

Overflowing manhole and running across the street.

Overflowing manhole in the backyard.

Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Building or structure  
Other (specify below)  
Other (specify below)  
Storm drain  
Unpaved surface  
Storm drain;Street/curb and gutter;Surface water  
Unpaved surface  
Beach;Surface water  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Other (specify below)  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Other paved surface  
Unpaved surface  
Other paved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Other paved surface  
Unpaved surface  
Unpaved surface  
Other paved surface  
Unpaved surface  
Beach  
Unpaved surface  
Other paved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Street/curb and gutter  
Unpaved surface  
Other paved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Street/curb and gutter  
Other (specify below)  
Unpaved surface

Lower floor of the home was partially flooded with wastewater.

Spill flowed out of the manhole and down a dirt hill. Overflow was estimated at 30 gallons.

In homeowners backyard. Area was cleaned up by District personel

Wastewater discharged out of a manhole and into a culvert pipe. This culvert drainage eventually flows into Grass Valley

Wastewater flowed into Grass Valley Creek which eventually flows into Grass Valley Lake.

Orchard Creek flows into Lake Arrowhead at Orchard Bay.

Wastewater flowed into a hole that the crew had dug. They were able to bucket the wastewater back into the manhole.

Wastewater ran down the dirt hillside and soaked into the ground.

Soaked into the dirt. Dirt was recovered with the Distircts Vac-Con truck.

Grass Valley Creek

Wastewater was contained by building a dike system. Wastewater was then recovevered with the Vac-Con. Approximatle

Spill may not have reached the lake, however samples were taken to confirm. Area was posted with warning signs until li

Wastewater traveled approximately 12 feet down a dirt hillside next to the manhole where it soaked into the ground

Manhole located in the easement located above Lake Forest Dr. Wastewater was leaking out of the manhole and soaking

Wastewater soaked into the golf course turf.

Wastewater pooled around the manhole cover. Once the problem was relieved the wastewater drained back into the colle

1/18/2008 8:30	1/18/2008 8:30	1/18/2008 8:45	1/18/2008 9:00
2/2/2008 11:00	2/2/2008 11:00	2/2/2008 11:30	2/2/2008 13:30
2/19/2008 8:00	2/19/2008 8:00	2/19/2008 8:23	2/19/2008 8:46
3/28/2008 7:30	3/28/2008 7:30	3/28/2008 7:40	3/28/2008 8:30
4/9/2008 9:00	4/9/2008 9:00	4/9/2008 9:15	4/9/2008 9:00
4/10/2008 7:50	4/10/2008 7:55	4/10/2008 8:10	4/10/2008 8:20
5/4/2008 18:30	5/4/2008 18:30	5/4/2008 18:45	5/4/2008 20:30
5/28/2008 11:30	5/28/2008 11:40	5/28/2008 11:50	5/28/2008 12:35
6/17/2008 20:05	6/17/2008 20:10	6/17/2008 20:15	6/17/2008 21:00
6/22/2008 21:00	6/22/2008 21:00	6/22/2008 21:30	6/23/2008 4:00
6/23/2008 11:30	6/23/2008 12:00	6/23/2008 12:20	6/23/2008 12:30
7/12/2008 11:40	7/12/2008 11:45	7/12/2008 12:00	7/12/2008 13:45
7/14/2008 7:30	7/14/2008 7:45	7/14/2008 8:00	7/14/2008 8:10
7/21/2008 19:30	7/21/2008 19:30	7/21/2008 19:45	7/21/2008 21:30
9/6/2008 14:00	9/6/2008 14:15	9/6/2008 14:30	9/6/2008 15:30
9/12/2008 15:15	9/12/2008 15:15	9/12/2008 15:25	9/12/2008 15:35
10/11/2008 8:00	10/11/2008 9:10	10/11/2008 9:18	10/11/2008 10:15
10/23/2008 9:10	10/23/2008 9:28	10/23/2008 9:35	10/23/2008 10:10
10/27/2008 16:20	10/27/2008 16:20	10/27/2008 16:35	10/27/2008 17:10
10/30/2008 10:00	10/30/2008 10:15	10/30/2008 10:25	10/30/2008 10:40
1/15/2009 17:20	1/15/2009 17:35	1/15/2009 18:00	1/15/2009 19:00
1/26/2009 13:05	1/26/2009 13:07	1/26/2009 13:20	1/26/2009 13:55
1/28/2009 10:14	1/28/2009 10:17	1/28/2009 10:22	1/28/2009 10:56
2/3/2009 16:30	2/3/2009 16:45	2/3/2009 17:00	2/3/2009 17:20
2/25/2009 16:00	2/25/2009 16:10	2/25/2009 16:30	2/25/2009 17:35
3/1/2009 16:30	3/1/2009 16:45	3/1/2009 17:35	3/1/2009 18:00
3/10/2009 17:30	3/10/2009 17:47	3/10/2009 18:30	3/10/2009 19:00
3/30/2009 10:30	3/30/2009 10:50	3/30/2009 11:10	3/30/2009 11:20
4/5/2009 10:30	4/5/2009 10:42	4/5/2009 11:10	4/5/2009 13:00
4/14/2009 16:00	4/14/2009 16:30	4/14/2009 19:00	4/14/2009 19:45
4/17/2009 7:35	4/17/2009 7:40	4/17/2009 8:05	4/17/2009 8:15
4/21/2009 9:40	4/21/2009 9:47	4/21/2009 10:15	4/21/2009 11:45
5/1/2009 17:00	5/1/2009 17:15	5/1/2009 17:25	5/1/2009 17:50
5/6/2009 8:20	5/6/2009 8:25	5/6/2009 8:35	5/6/2009 9:50
5/24/2009 9:00	5/24/2009 9:05	5/24/2009 9:30	5/24/2009 10:15
6/10/2009 14:15	6/10/2009 14:20	6/10/2009 14:35	6/10/2009 16:10
6/19/2009 16:45	6/19/2009 16:45	6/19/2009 16:55	6/19/2009 17:45
6/19/2009 16:00	6/19/2009 16:00	6/19/2009 16:15	6/19/2009 18:35
6/22/2009 13:14	6/22/2009 13:14	6/22/2009 13:39	6/22/2009 14:17
6/23/2009 10:25	6/23/2009 10:25	6/23/2009 10:45	6/23/2009 11:10
7/2/2009 8:10	7/2/2009 8:20	7/2/2009 8:35	7/2/2009 8:50
7/3/2009 11:40	7/3/2009 11:48	7/3/2009 12:00	7/3/2009 14:30
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7/12/2009 6:35	7/12/2009 6:55	7/12/2009 7:10	7/12/2009 7:25
7/20/2009 8:15	7/20/2009 8:20	7/20/2009 8:30	7/20/2009 8:45
7/24/2009 9:30	7/24/2009 9:50	7/24/2009 9:55	7/24/2009 11:00
7/25/2009 3:02	7/25/2009 3:02	7/25/2009 3:12	7/25/2009 5:00
7/25/2009 16:30	7/25/2009 16:40	7/25/2009 16:45	7/25/2009 17:20
8/16/2009 11:00	8/16/2009 11:44	8/16/2009 12:25	8/16/2009 13:15
8/17/2009 14:50	8/17/2009 14:58	8/17/2009 15:10	8/17/2009 15:55
8/24/2009 9:25	8/24/2009 9:27	8/24/2009 9:40	8/24/2009 10:55
8/30/2009 12:25	8/30/2009 12:30	8/30/2009 13:00	8/30/2009 19:45
11/16/2009 15:45	11/16/2009 15:50	11/16/2009 16:05	11/16/2009 16:20
11/28/2009 10:00	11/28/2009 10:10	11/28/2009 10:25	11/28/2009 13:00
12/22/2009 11:15	12/22/2009 11:15	12/22/2009 11:45	12/22/2009 12:00

Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Other (specify below)  
Grease deposition (FOG)  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Debris  
Debris  
Root intrusion  
Vandalism  
Root intrusion  
Root intrusion  
Debris-Rags  
Debris-Rags  
Root intrusion  
Root intrusion  
Debris-General  
Root intrusion  
Root intrusion  
Vandalism  
Root intrusion  
Root intrusion  
Debris-Rags  
Debris-General  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Debris-General  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Pump station failure

Large rock in the pipeline that caused the stoppage.  
A grease inhibitor was used to avoid future grease accumulation.

A large amount of paper towels caused a stoppage.

Manhole cover was removed and the manhole was filled with debris, sticks firewood, and rocks.  
Roots and rags obstructing the flow.

Very low flow line that serves two homes. Cause of SSO was due to feminine hygiene products.

A contractor dumped gravel and paving material into the District sewer so as to not have to haul it away. This debris caused  
Used Power Rodder to remove roots and treated with Root-X root growth inhibitor.

The pipeline will be inspected and treated with a grease inhibitor.

Main

Main

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Main

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Main

Main

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Main  
Main

Main  
Main  
Other (specify below)



Stoppage was 35 feet downstream from the manhole.

Line is 4 with roots. District staff replaced 12 feet of pipeline.

2 force main from sewer pump station

6 ACP  
6 concrete  
6 concrete  
6 concrete

4 concrete  
8 Clay

8 A/C

8 vcp  
6 concrete  
8 Concrete  
6 A/C  
6 clay  
6 pvc  
8 AC  
8 AC  
6 AC  
6 concrete  
6 concrete  
6 Asbestos  
4 Clay  
6  
4 clay  
6 concrete  
8 AC  
6 clay  
6 A/C  
6 clay  
4 clay  
6 clay  
8 concrete  
4 orangeburg  
8 Clay  
8 Clay  
8 concrete  
8 AC Pipe

8 AC  
6 Concrete  
6 concrete  
6 clay  
4 orangeburg

8 A/C  
8 A/C  
8 AC  
8 concrete  
6 AC  
8 AC  
8 A/C  
4 Orangburg  
2 PVC

40  
68  
60  
65

60  
48

55  
70  
60  
40  
60  
15  
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46

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60  
60  
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44  
44  
50  
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50  
40  
65  
35

Cleaned-up (mitigated effects of spill)

The Fire were first on scene and had built several dikes to contain the wastewater. We used the Vac-Con to suck up the s

Rodded and televised the pipeline. Also treated with root inhibitor (Root X).

Cleaned out roots, televised line and treated with root inhibitor.

Manhloe is located on dirt walking trail located behind the given address. Used Combination jet/vacuum truck to relieve t  
Overflowing manhole was in the easement located behind the given address. District crew used combination Jet/Vacuun

Pipe was repaired were it was bubbling out of the ground.

Followed up today. Dug up the pipe and did a spot repair where the root intrusion was.  
Responded again on 11/17/2009 and televised line also used jet power a grease inhibitor to treat the line.

5/5/2008 16:30

6/18/2008 14:00

6/24/2008 13:00

10/23/2008 16:30

5/6/2009 16:30

12/22/2009 16:30

Adjusted schedule/method of preventive maintenance

Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance;Plan rehabilitation or replacement of sewer

Plan rehabilitation or replacement of sewer

Repaired sewer

Will also use a grease inhibitor on the section of pipe to help eliminate the grease build up.

Removed the large rock from the pipeline and treated the pipeline with a grease inhibitor.

Roots were growing in the manhole that caused the stoppage. Manhole will be rehabilitated and root foamed with a root ir



Yes

Yes

Yes

Yes

Yes

Yes

None

Over flow was estimated at 1/3 gallon per minute. Wastewater discharged onto the roadway but not enough to pool prior

No visual evidence that wastewater flowed into Grass Valley Creek

No solids were observed in the creek. It is unknown how long the manhole was actually overflowing. Sample were taken :

None

Creek had very little flow.

None

None

Root intrusion was treated with root inhibitor (RootX).

The Districts small camera is in for repair. Visual inspection will be scheduled when it is returned.

Unable to TV at this time as it is a 4 line. Will however treat with a root inhibitor.

Root intrusion in a crack in the pipe. Line is scheduled to have the roots cut and a pipe patch installed as a final repair.

No visual evidence that the spill impacted the receiving water.

None

None

None.

Unsure if the wastewater made receiving waters. Samples were taken to determine if it had.

Yes

Yes

Yes

Yes

Yes

Yes

Grass Valley Creek

Grass Valley Creek and Possibly Grass Valley Lake. The District will know more when the test results are completed.

Orchard Bay at Lake Arrowhead.

NA

Lake Arrowhead - Shelter Cove Area - No beach access

No beach impacted

It has yet to be determined if Grass Valley Lake was impacted.

Same as above.

Lake Arrowhead

Grass Valley Creek and possibly Grass Valley Lake. Still awaiting results from the lab

Lake Arrowhead

50 gallons reached a drainage channel that is not named on any map.

Other (specify below)

Dissolved oxygen

Other chemical indicator(s) - specify below

Other (specify below)

Other (specify below)

Other chemical indicator(s) - specify below

PH, Amonia, MBAS, Total Fecal Coliform and Fecal Strep.

Total Coliforms, Fecal Coliforms, Fecal Streptococci, pH, Ammonia and MBAS

Total Coliforms, Fecal Coliforms, Fecal Streptococci, pH, Ammonia and MBAS

Total coliform, Fecal coliform, Amonia, MBAS and Fecal streptococci

Ph, Ammonia, MBAS, (sufacants), Total coliform Fecal Coliform and Fecal Streptococcus

MBAS, Amonia, Total Coliform, Fecal Coliform, Fecal Streptococcus, PH

Regional Water Quality Control Board

County Health Agency;Regional Water Quality Control Board

Regional Water Quality Control Board

County Health Agency;Regional Water Quality Control Board

County Health Agency;Regional Water Quality Control Board

Regional Water Quality Control Board







8328 5/4/2008 20:50

84305 6/17/2008 22:05

84477 6/23/2008 15:30

87659 10/23/2008 12:45

93485 5/6/2009 10:59

98523 12/22/2009 15:50



6SSO11152	Active	747937 Robert H. Ardis	Certified
6SSO11152	Active	748002 Robert H. Ardis	Certified
6SSO11152	Active	748089 Robert H. Ardis	Certified
6SSO11152	Active	748432 Robert H. Ardis	Certified
6SSO11152	Active	749395 Robert H. Ardis	Certified
6SSO11152	Active	749478 Robert H. Ardis	Certified
6SSO11152	Active	749924 Robert H. Ardis	Certified
6SSO11152	Active	750872 Ronald Fussell Jr.	Certified
6SSO11152	Active	751101 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	751233 Ronald W Fussell Jr	Certified
6SSO11152	Active	751297 Mike Blackwood	Certified
6SSO11152	Active	751411 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	751481 Ronald W Fussell Jr.	Certified
6SSO11152	Active	751731 Ronald W Fussell Jr.	Certified
6SSO11152	Active	751788 Mike Blackwood	Certified
6SSO11152	Active	752128 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	753019 Ronald Fussell Jr.	Certified
6SSO11152	Active	753025 Ronald Fussell Jr.	Certified
6SSO11152	Active	753241 Ronald Fussell Jr.	Certified
6SSO11152	Active	753518 Ronald Fussell Jr.	Certified
6SSO11152	Active	753639 Ronald W Fussell Jr.	Certified
6SSO11152	Active	754236 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	754455 Ronald W Fussell Jr.	Certified
6SSO11152	Active	754724 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	755651 Ronald W Fussell Jr.	Certified
6SSO11152	Active	756282 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	757341 Ronald W Fussell Jr.	Certified
6SSO11152	Active	758173 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	758298 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	759176 Ronald W Fussell Jr.	Certified
6SSO11152	Active	759200 Ronald W. Fussell Jr	Certified
6SSO11152	Active	759720 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	760226 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	760229 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	760234 Ronald W. Fussell Jr.q	Certified
6SSO11152	Active	761417 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	761685 Ronald W Fussell Jr.	Certified
6SSO11152	Active	761686 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	762856 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	763074 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	763224 Ron Fussell	Certified
6SSO11152	Active	764091 Ronald Fussell	Certified
6SSO11152	Active	764373 Ronald W Fussell Jr.	Certified
6SSO11152	Active	764418 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	765041 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	765082 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	765318 Mike Blackwood	Certified
6SSO11152	Active	765319 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	765595 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	765596 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	765598 Mike Blackwood	Certified
6SSO11152	Active	765793 Mike Blackwood	Certified
6SSO11152	Active	765795 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	765859 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	766174 Ronald W. Fussell Jr.	Certified

Maintenance Manager  
Maintenance Manager  
Maintenance Manager  
Maintenance Manager  
Maintenance Manager  
Maintenance Manager  
Maintenance Manager  
Field Operations Supervisor  
Field Supervisor Wastewater  
Field Operations Supervisor  
Field Operations Supervisor  
Field Operations Supervisor  
Field Operations Supervisor  
Field Supervisor  
Field Operations Supervisor  
Field Supervisor  
Field Supervisor  
Field Supervisor  
Collection Field Supervisor  
Field Supervisor  
Collection Field Supervisor  
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Field Supervisor Wastewater  
Field Operations Supervisor  
Field Operations Supervisor  
Field Operations Supervisor  
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Field Operations Supervisor - Wastewater  
Field Supervisor Wastewater  
Field Supervisor Wastewater  
Field Supervisor Wastewater  
Field Supervisor Wastewater  
Field Supervisor Wastewater  
Field Supervisor Wastewater  
Field Operations Supervisor - Water  
Field Supervisor Wastewater  
Field Supervisor Wastewater  
Field Supervisor Wastewater  
Field Operations Supervisor - Water  
Field Operations Supervisor - Water  
Field Supervisor Wastewater  
Field Supervisor Wastewater  
Field Supervisor Wastewater

10:30 A.M.	853547
10:05 A.M.	707368
11:47 A.M.	546340
3:00 P.M.	263549
	4:07 PM 983444
	3:48 PM 319660
	12:59 PM 811834
Lake Arrowhead Ca.	434189
Lake Arrowhead Ca.	992733
Lake Arrowhead Ca.	571661
Lake Arrowhead, CA.	995705
Lake Arrowhead Ca.	236356
Lake Arrowhead Ca.	837021
Lake Arrowhead Ca.	414785
Lake Arrowhead	840213
Lake Arrowhead Ca.	809672
Lake Arrowhead Ca.	242290
Lake Arrowhead Ca.	133379
Lake Arrowhead Ca.	903574
Lake Arrowhead Ca.	315767
Lake Arrowhead Ca.	103962
Lake Arrowhead Ca.	777580
Lake Arrowhead Ca.	375104
Lake Arrowhead Ca.	635110
Lake Arrowhead Ca.	834227
Lake Arrowhead Ca.	943650
Lake Arrowhead Ca.	172873
Lake Arrowhead Ca.	310004
Lake Arrowhead Ca.	269640
Lake Arrowhead Ca.	213768
Lake Arrowhead Ca.	538464
Lake Arrowhead Ca.	450210
Lake Arrowhead Ca.	239362
Lake Arrowhead Ca.	103544
Lake Arrowhead Ca.	248097
Lake Arrowhead Ca.	205381
Lake Arrowhead Ca.	758509
Lake Arrowhead Ca.	479655
Lake Arrowhead Ca.	631223
Lake Arrowhead Ca.	439055
Lake Arrowhead, CA	351453
Lake Arrowhead, CA	628351
Lake Arrowhead Ca.	175511
Lake Arrowhead Ca.	449945
Lake Arrowhead Ca.	833479
Lake Arrowhead Ca.	869612
	92352 958074
Lake Arrowhead Ca.	279954
Lake Arrowhead Ca.	937858
Lake Arrowhead Ca.	809796
	92352 500752
	92352 682472
Lake Arrowhead Ca.	717345
Lake Arrowhead Ca.	682857
Lake Arrowhead Ca.	873355

29-Dec-09		29-Dec-09	12/29/2009
30-Dec-09		30-Dec-09	12/30/2009
4-Jan-10		4-Jan-10	1/4/2010
19-Jan-10		25-Jan-10	1/25/2010
16-Feb-10		17-Feb-10	2/17/2010
18-Feb-10		18-Feb-10	2/18/2010
1-Mar-10		1-Mar-10	3/1/2010
23-Mar-10		23-Mar-10	3/23/2010
29-Mar-10		29-Mar-10	12/8/2010
1-Apr-10		1-Apr-10	4/1/2010
5-Apr-10		5-Apr-10	4/5/2010
8-Apr-10		9-Apr-10	4/9/2010
12-Apr-10		12-Apr-10	4/12/2010
15-Apr-10		15-Apr-10	4/15/2010
20-Apr-10		20-Apr-10	4/20/2010
4-May-10		4-May-10	5/4/2010
3-Jun-10	6/3/2010	3-Jun-10	6/3/2010
3-Jun-10	6/3/2010	3-Jun-10	6/3/2010
9-Jun-10	6/9/2010	9-Jun-10	6/9/2010
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7-Jul-10	7/7/2010	7-Jul-10	7/7/2010
12-Jul-10	7/12/2010	12-Jul-10	7/12/2010
30-Jul-10	7/30/2010	30-Jul-10	8/2/2010
24-Aug-10	8/24/2010	24-Aug-10	8/24/2010
4-Oct-10	10/4/2010	4-Oct-10	10/4/2010
26-Oct-10	10/26/2010	27-Oct-10	10/27/2010
1-Nov-10	11/1/2010	5-Jan-11	1/5/2011
7-Dec-10	12/7/2010	8-Dec-10	12/8/2010
8-Dec-10	12/8/2010	8-Dec-10	12/8/2010
22-Dec-10	12/22/2010	28-Dec-10	12/28/2010
5-Jan-11	1/5/2011	5-Jan-11	1/5/2011
5-Jan-11	1/5/2011	5-Jan-11	1/5/2011
5-Jan-11	1/5/2011	5-Jan-11	1/5/2011
20-Jan-11	1/20/2011	21-Jan-11	1/21/2011
24-Jan-11	1/24/2011	24-Jan-11	1/24/2011
24-Jan-11	1/24/2011	24-Jan-11	1/24/2011
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15-Feb-11	2/15/2011	15-Feb-11	2/15/2011
17-Feb-11	2/17/2011	17-Feb-11	2/17/2011
7-Mar-11	3/7/2011	7-Mar-11	3/7/2011
15-Mar-11	3/15/2011	15-Mar-11	3/15/2011
16-Mar-11	3/16/2011	16-Mar-11	3/16/2011
4-Apr-11	4/4/2011	5-Apr-11	4/5/2011
4-Apr-11	4/4/2011	4-Apr-11	4/4/2011
8-Apr-11	4/8/2011	10-Nov-11	11/10/2011
8-Apr-11	4/8/2011	8-Apr-11	4/8/2011
18-Apr-11	4/18/2011	18-Apr-11	4/18/2011
18-Apr-11	4/18/2011	18-Apr-11	4/18/2011
19-Apr-11	4/19/2011	10-Nov-11	11/10/2011
26-Apr-11	4/26/2011	10-Nov-11	11/10/2011
26-Apr-11	4/26/2011	26-Apr-11	4/26/2011
27-Apr-11	4/27/2011	28-Apr-11	4/28/2011
4-May-11	5/4/2011	5-May-11	5/5/2011



Category 3	3	0
Category 3	200	200
Category 3	200	0
Category 3	310	35
Category 1	1600	1000
Category 3	2	0
Category 3	5	0
Category 3	7	0
Category 1	940	740
Category 3	10	0
Category 3	30	10
Category 3	2	0
Category 3	4	0
Category 3	10	10
Category 3	5	0
Category 3	25	0
Category 3	30	5
Category 3	3	0
Category 3	4	3
Category 3	5	4
Category 3	8	7
Category 3	40	20
Category 3	20	5
Category 3	30	20
Category 3	50	45
Category 3	60	58
Category 1	15	5
Category 3	10	0
Category 3	2	0
Category 1	60	50
Category 1	500	200
Category 1	22500	0
Category 3	30	30
Category 3	20	20
Category 3	50	40
Category 3	20	20
Category 3	50	10
Category 3	20	0
Category 3	10	0
Category 1	80	0
Category 1	300	100
Category 3	3	2
Category 1	90	0
Category 3	150	0
Category 1	50	0
Category 1	25	0
Category 3	20	0
Category 3	20	0
Category 3	40	0
Category 3	5	2
Category 3	5	2
Category 3	25	0
Category 1	40	15
Category 3	1	0
Category 3	30	25

0 No	No
0 No	Yes
0 No	No
0 No	No
600 Yes	Yes
0 No	No
0 No	No
0 No	No
200 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
10 Yes	Yes
0 No	No
0 No	No
10 Yes	Yes
300 Yes	Yes
22500 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
80 Yes	Yes
200 Yes	Yes
0 No	No
90 Yes	Yes
0 No	No
50 No	No
25 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
25 Yes	Yes
0 No	No
0 No	No



28176 North Shore Road Lake Arrowhead, CA.  
26962 Tunnel dr. Lake Arrowhead CA.  
307 Mittry Drive Lake Arrowhead California 92352  
252 Burnt Mill Road Lake Arrowhead California 92352  
320 Golf Course Rd.  
378 Oak Drive Lake Arrowhead California 92352  
193 Heliotrope Lake Arrowhead California 92352  
193 Helitrope dr. Lake arrowhead ca.  
27823 Lakes Edge Road (State Hwy 189) Lake Arrowhead, California 92352  
27859 st hwy 189  
278 State Hwy 189 Lake Arrowhead, Ca. 92352  
284 Walnut DR.  
28484 N. Shore  
27514 North Bay Road, Lake Arrowhead Ca. 92352  
clean out on hillside in dirt  
319 Sunset Drive Lake Arrowhead, Ca. 92352  
301 Terrace Drive Lake Arrowhead Ca. 92352  
28175 North Shore Road Lake Arrowhead Ca.  
28993 Alder Terrace Cedar Glen Ca. 92352  
261 Fremont Drive Lake Arrowhead Ca. 92352  
708 Oak Point rd.  
129 Hwy 189  
207 John Muir rd.  
847 Antler dr.  
27962 West Shore Rd.  
Lakeside trailer park Unit #48 State Highway 189  
28971 North Shore rd.  
Golf Course #1  
28411 North Shore rd.  
301 St. Hwy 173  
507 Grass valley rd.  
1380 Calgary access road MH  
838 Antler  
212 Burntmill rd.  
Palisades  
Palisades  
26446 Alpine Lane Spur  
250 Birchwood dr.  
310 Terrace Road Lake Arrowhead Ca. 92352  
Blue Bell  
28075 North Shore Road  
292 Maple Drive  
28280 North Bay Road  
28358 North Shore rd.  
109 North State Highway 173  
109 Fremont Road  
27785 Lakes Edge.  
27785 Lakes Edge.  
830 Zurich rd.  
27775 St.Hwy 189, on Ferndale  
27775 state highway 189, on fern dell rd.  
866 Hemlock Drive  
930 Sandalwood Drive  
944 Teakwood Drive  
28719 Palisades Drive Lake Arrowhead, Ca. 92352

34.491944	-117.274444	San Bernardino
34.434444	-117.457222	San Bernardino
34.470278	-117.263056	San Bernardino
34.498889	-117.411389	San Bernardino
34.498611	-117.394722	San Bernardino
34.358056	-117.293611	San Bernardino
34.260833	-117.289444	San Bernardino
34.250055	-117.166818	San Bernardino
34.499722	-117.399722	San Bernardino
34.260556	-117.382222	San Bernardino
34.258333	-117.201389	San Bernardino
34.500556	-117.399722	San Bernardino
34.266914	-117.169175	San Bernardino
34.484167	-117.268611	San Bernardino
34.255556	-117.328611	San Bernardino
34.259167	-117.335833	San Bernardino
34.233574	-117.183525	San Bernardino
34.250237	-117.183414	San Bernardino
34.278333	-117.229167	San Bernardino
34.481389	-117.334444	San Bernardino
34.468056	-117.209722	San Bernardino
34.487222	-117.213611	San Bernardino
34.25555	-117.166667	San Bernardino
34.500278	-117.323611	San Bernardino
34.291389	-117.340556	San Bernardino
34.293333	-117.339167	San Bernardino
34.645833	-117.385556	San Bernardino
34.330833	-117.228611	San Bernardino
34.330278	-117.228611	San Bernardino
34.470833	-117.280556	San Bernardino
34.399722	-117.436944	San Bernardino
34.407778	-117.441389	San Bernardino
34.499722	-117.325	San Bernardino
34.500278	-117.391111	San Bernardino
34.5025	-117.324444	San Bernardino
34.756	-117.594	San Bernardino
34.266667	-117.183333	San Bernardino
34.278056	-117.206389	San Bernardino
34.468333	-117.378611	San Bernardino
34.503889	-117.267222	San Bernardino
34.301944	-117.318333	San Bernardino
34.491667	-117.305278	San Bernardino
34.340278	-117.226944	San Bernardino
34.250261	-117.183355	San Bernardino
34.268889	-117.335556	San Bernardino
34.2775	-117.18473	San Bernardino
34.253889	-117.409444	San Bernardino
34.253889	-117.409444	San Bernardino
34.503611	-117.303889	San Bernardino
34.253889	-117.410833	San Bernardino
34.253889	-117.410833	San Bernardino
34.25	-117.183333	San Bernardino
34.266667	-117.200231	San Bernardino
34.26625	-117.21324	San Bernardino
34.357222	-117.346111	San Bernardino

[illegible]

Easement in yard next to 28176 North Shore Road

Wastewater was coming up out of the roads edge due to the fact the manhole was paved over.

Manhole overflowed and ran across the street and under the snow. Wastewater soaked into the dirt under the snow.

Manhole overflowed onto dirt access Rd.

Manhole behind 320 Golf Course Road overflowed into a concrete channel.

Clean out in the backyard of property overflowed due to a blockage in the District main line.

A 6 cleanout was overflowing in the backyard.

Cleanout on the side of the drive way overflowed into dirt.

Wastewater overflowed out of a manhole cover and flowed into a concrete channel which flows into the lake.

Wastewater overflow from MH

Cleanout over flowed

ON THE STREET OFF TO THE SHOULDER.

District clean out over flowed

Wastewater weeping out a manhole cover on the access rd. All of the wastewater was recovered by the Vac-Con clean out on hill next to road in the dirt

An easement manhole overflowed into a flower bed and soaked into the dirt

Easement line manhole overflowed and soaked into the dirt.

Manhole on the side of the road overflowed into the dirt

Seeping from manhole on the side of the road and soaked into the dirt

Wastewater was coming up out of the street and soaked into the dirt

man hole along lake main in vinca, behind 708 Oak Point

Spill was leaking out of a paved manhole.

Off the side of the hill to the right of the access road to the Lake side trailer park. The surcharged manhole was on the side

Overflow from a manhole onto a Golf Course cart path.

Thomas Bros. map page 4738 grid A-5 on access road between Willow Creek(the creek itself) and Calgary Drive 1/4 mile cleanout 5 feet from road

EASEMENT BETWEEN BURNTMILL AND FERNDAL

CLEANOUT IN DRIVEWAY

Manhole E8F704

wastewater seeping out of dirt under the stairs

The SSO ran out of the manhole and down to the Highway(173), then ran along the edge of the Highway to a culvert and

Coming out of hillside between manholes

Manhole in backyard at 292 Maple Drive

Wastewater leaking from an exposed 8 line. Line was damaged due to storm runoff.

Manhole in front yard (dirt area)

Manhole in street

Coming up out of the asphalt on the side of the street.

Coming up out of the asphalt on the side of the street.

On access rd. behind 830 Zurich rd.

spill coming out of street next to 27775 st highway 189

Clean-out in backyard of home

On an easement line between manholes C4F302 and C4F303

Cleanout on access road, paved around cleanout

From Manhole off to the side of the road.

e of a hill in an easement line.

: North of North Bay Road

across the Highway into the dirt.



Manhole  
Gravity sewer;Manhole  
Gravity sewer;Manhole  
Gravity sewer;Manhole  
Gravity sewer;Manhole  
Other sewer system structure  
Gravity sewer  
Gravity sewer  
Gravity sewer;Manhole  
Gravity sewer;Manhole  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer;Manhole  
Gravity sewer  
Gravity sewer;Manhole  
Gravity sewer;Manhole  
Gravity sewer;Manhole  
Gravity sewer;Manhole  
Gravity sewer  
Gravity sewer;Manhole  
Gravity sewer  
Gravity sewer;Other sewer system structure  
Other sewer system structure  
Gravity sewer  
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Gravity sewer;Manhole  
Gravity sewer;Manhole  
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Gravity sewer  
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Gravity sewer  
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Gravity sewer  
Manhole  
Gravity sewer  
Manhole  
Gravity sewer  
Other (specify)  
Manhole  
Manhole  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Other sewer system structure  
Gravity sewer  
Other (specify)  
Manhole  
Other (specify)  
Gravity sewer;Manhole

Clean out (4 )

STREET OFF TO THE SHOULDER.

District Clean out  
Clean out.

Home owner's sewer clean out

sewage coming out of manhole  
Cracks in the road  
spilled onto asphalt  
Customer's clean out in backyard

Cleanout  
Surcharged manhole and overflowed from it.

Unpaved surface  
Storm drain;Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Surface water  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Other paved surface;Separate storm drain;Street/curb and gutter;Surface water  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Other paved surface  
Unpaved surface  
Unpaved surface  
Other paved surface  
Street/curb and gutter  
Other paved surface  
Unpaved surface  
Other paved surface  
Other paved surface  
Other paved surface;Separate storm drain;Street/curb and gutter;Surface water  
Unpaved surface  
Other (specify below)  
Unpaved surface  
Other paved surface  
Other paved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Street/curb and gutter;Surface water  
Unpaved surface  
Surface water  
Unpaved surface  
Unpaved surface  
Other paved surface;Unpaved surface  
Other paved surface  
Other paved surface  
Other paved surface  
Other paved surface  
Other paved surface  
Other paved surface  
Unpaved surface  
Separate storm drain;Unpaved surface  
Other paved surface  
Unpaved surface

Wastewater entered Grass Valley Creek and may have entered Grass Valley Lake. Samples have been taken to determine

Cleanout over flowed

OVERFLOWED AROUND CLEANOUT

homeowner patio  
over street into the dirt

Spill ran down the street a few hundred feet and stopped due to low flow.

Willow creek drainage (seasonal stream)

SSO flowed into a dirt lot.

Wastewater flowed down a drainage channel that Willow Creek is a tributary.

Spill surfaced in the road and pooled up in same location  
Spill surfaced in the road and pooled up in same location  
on pavement and in dirt  
Street  
final destination was asphalt

Discharged over the side of the hillside only going no more than 5 feet from the drain.

12/28/2009 12:55	12/28/2009 12:55	12/28/2009 12:55	12/28/2009 13:40
12/29/2009 10:00	12/29/2009 10:15	12/29/2009 14:00	12/29/2009 14:35
1/2/2010 7:45	1/2/2010 8:00	1/2/2010 8:15	1/2/2010 9:50
1/16/2010 5:30	1/16/2010 5:35	1/16/2010 5:50	1/16/2010 7:35
2/15/2010 15:30	2/15/2010 15:32	2/15/2010 15:45	2/15/2010 16:50
2/17/2010 9:00	2/17/2010 9:10	2/17/2010 9:45	2/17/2010 10:20
2/26/2010 10:00	2/26/2010 11:01	2/26/2010 11:20	2/26/2010 11:35
3/21/2010 13:32	3/21/2010 13:32	3/21/2010 13:55	3/21/2010 16:00
3/29/2010 13:30	3/29/2010 13:30	3/29/2010 13:38	3/29/2010 14:44
3/29/2010 9:10	3/29/2010 9:35	3/29/2010 9:55	3/29/2010 10:10
4/2/2010 18:03	4/2/2010 18:08	4/2/2010 18:22	4/2/2010 19:06
4/7/2010 13:45	4/7/2010 14:20	4/7/2010 12:45	4/7/2010 12:20
4/9/2010 15:00	4/9/2010 15:20	4/9/2010 15:27	4/9/2010 17:17
4/13/2010 15:25	4/13/2010 15:31	4/13/2010 15:42	4/13/2010 16:00
4/19/2010 8:40	4/19/2010 9:00	4/19/2010 9:15	4/19/2010 9:30
5/2/2010 11:14	5/2/2010 11:17	5/2/2010 11:45	5/2/2010 12:40
5/31/2010 19:20	5/31/2010 19:50	5/31/2010 20:10	5/31/2010 20:30
5/29/2010 13:10	5/29/2010 13:20	5/29/2010 13:40	5/29/2010 14:10
6/5/2010 11:50	6/5/2010 12:00	6/5/2010 12:20	6/5/2010 13:15
6/15/2010 11:20	6/15/2010 11:40	6/15/2010 11:50	6/15/2010 12:30
6/18/2010 14:21	6/18/2010 14:21	6/18/2010 14:30	6/18/2010 15:00
6/14/2010 18:00	6/14/2010 18:30	6/14/2010 19:00	6/14/2010 19:30
7/6/2010 16:29	7/6/2010 16:29	7/6/2010 16:40	7/6/2010 17:15
7/12/2010 8:00	7/12/2010 8:10	7/12/2010 8:30	7/12/2010 8:40
7/30/2010 9:00	7/30/2010 9:40	7/30/2010 9:48	7/30/2010 11:19
8/22/2010 8:00	8/22/2010 8:05	8/22/2010 8:30	8/22/2010 12:00
10/2/2010 0:00	10/2/2010 17:00	10/2/2010 17:15	10/2/2010 17:50
10/26/2010 0:00	10/26/2010 13:00	10/26/2010 13:10	10/26/2010 13:30
11/1/2010 0:00	11/1/2010 8:05	11/1/2010 8:10	11/1/2010 8:15
12/7/2010 0:00	12/7/2010 9:45	12/7/2010 10:00	12/7/2010 10:30
12/8/2010 0:00	12/8/2010 10:50	12/8/2010 11:00	12/8/2010 11:30
12/22/2010 0:00	12/22/2010 9:30	12/22/2010 9:35	12/22/2010 9:35
12/25/2010 0:00	12/25/2010 12:54	12/25/2010 13:05	12/25/2010 13:10
1/1/2011 12:00	1/1/2011 12:15	1/1/2011 12:25	1/1/2011 12:30
12/31/2010 12:10	12/31/2010 12:15	12/31/2010 12:35	12/31/2010 14:10
1/17/2011 15:15	1/17/2011 15:15	1/17/2011 15:35	1/17/2011 17:40
1/22/2011 12:15	1/22/2011 13:00	1/22/2011 13:30	1/22/2011 17:30
1/22/2011 7:22	1/22/2011 7:22	1/22/2011 8:00	1/22/2011 9:00
2/9/2011 15:00	2/9/2011 15:05	2/9/2011 15:25	2/9/2011 16:10
2/14/2011 10:20	2/14/2011 10:23	2/14/2011 10:28	2/14/2011 11:01
2/17/2011 9:35	2/17/2011 9:42	2/17/2011 9:50	2/17/2011 10:32
3/5/2011 9:50	3/5/2011 10:00	3/5/2011 10:50	3/5/2011 12:06
3/14/2011 16:35	3/14/2011 16:35	3/14/2011 16:35	3/14/2011 18:00
3/15/2011 10:00	3/15/2011 15:00	3/15/2011 10:30	3/15/2011 16:20
4/1/2011 13:30	4/1/2011 13:40	4/1/2011 13:50	4/1/2011 14:45
4/2/2011 11:15	4/2/2011 11:15	4/2/2011 11:40	4/2/2011 13:05
4/7/2011 0:00	4/7/2011 3:20	4/7/2011 3:40	4/7/2011 6:00
4/7/2011 0:00	4/7/2011 3:20	4/7/2011 3:40	4/7/2011 6:00
4/14/2011 19:30	4/14/2011 19:30	4/14/2011 19:45	4/14/2011 21:13
4/13/2011 16:30	4/13/2011 16:45	4/13/2011 17:15	4/13/2011 18:25
4/13/2011 16:30	4/13/2011 16:45	4/13/2011 17:15	4/13/2011 18:25
4/22/2011 13:40	4/22/2011 13:40	4/22/2011 13:55	4/22/2011 14:50
4/24/2011 14:05	4/24/2011 14:05	4/24/2011 14:30	4/24/2011 22:55
4/23/2011 11:35	4/23/2011 12:00	4/23/2011 12:00	4/23/2011 15:27
5/4/2011 12:10	5/4/2011 12:25	5/4/2011 12:45	5/4/2011 1:10

Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Root intrusion  
Debri-Rags  
Debri-Rags  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Debri-Rags  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Pipe structural problem/failure  
Debri-Rags  
Debri-Rags  
Root intrusion  
Debri-General  
Root intrusion  
Debri-Rags  
Root intrusion  
Grease deposition (FOG)  
Debri-General  
Debri-Rags  
Root intrusion  
Other (specify below)  
Debri-Rags  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Debri-General  
Root intrusion  
Root intrusion  
Debri-Rags  
Root intrusion  
Pipe structural problem/failure  
Root intrusion  
Debri-Rags  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Other (specify below)

Rags that appeared to be baby wipes and a small amount of roots. Line was televised on 2-16-10 and no major problems

Root intrusion, rags and debris

N/A

Offset pipe allowing roots to intrude caused the SSO

Heavy grease build up in manhole invert. District will follow up with the person in charge of the grease interceptor at the c

excessive inflow/infiltration due to heavy storm event

root intrusion that caused the buildup of rags and debris

Roots, grease, grit and rags.

Main



Approximately 90' downstream of manhole

76' Down stream from manhole

aproximately 120 feet downstream from manhole

Root in 6" main, 89' below cleanout  
2-3 feet in the invert.

6 clay  
8 AC  
6 Clay  
6 Concrete  
8 A/C  
8 concrete  
6 concrete  
6 a/c  
6 concrete  
6 concrete  
6 Concrete  
6 concrete  
6 CLAY  
8 AC  
4 clay  
6 Concrete  
6 concrete  
6 concrete  
6 concrete  
6 concrete  
8 concrete

6

8 AC

8 Clay  
8 AC  
21 ACP

6

6 concrete  
6 concrete  
6 concrete  
6 Concrete  
8 A/C

8 concrete  
8  
6  
6

6 Concrete  
6 concrete  
4 Clay  
A/C  
6 plastic  
6 Concrete

60  
40  
60  
70  
50  
70  
70  
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60  
60  
60  
70  
30  
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50

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50

65  
70  
80  
65  
45  
  
70

65  
50  
25  
60

Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Inspected sewer using CCTV to determine cause; Re-

Crew with rodder and vactor

Replaced 15 feet of broken concrete pipe with 6 inch PVC

One crew member diked the spill to contain sewer. Two members started to use a stoppage nozzle to relief the problem.

attempting to find any sources of inflow /infiltration

Vac-Con Combination truck and Rodder truck.

Installed an 8" plug in the upstream manhole and bypass pumped to the downstream manhole

arrived on scene contained flow power rodded sewerline relieved stoppage cleaned up area

First on scene shored the overflow to control the amount of lost waste. When the combination truck showed up it first started

2/16/2010 16:30

3/29/2010 19:30

10/2/2010 18:00

12/7/2010 13:00

12/8/2010 15:30

12/22/2010 9:35

2/14/2011 0:00

2/17/2011 10:32

3/15/2011 9:00

4/24/2011 22:55

5/4/2011 4:00

Plan rehabilitation or replacement of sewer

Adjusted schedule/method of preventive maintenance;Plan rehabilitation or replacement of sewer;Repaired sewer

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance  
Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance  
Plan rehabilitation or replacement of sewer

Adjusted schedule/method of preventive maintenance  
Other (specify below)

Plan rehabilitation or replacement of sewer;Repaired sewer

Repaired sewer

Plan rehabilitation or replacement of sewer

A recommendation will be made after the TV results are reviewed.

Recommendations will be made upon completion of CCTV



Yes

Yes

No

Yes  
No  
Yes

Yes  
Yes  
  
Yes

Yes  
  
Yes

Some towels in the concrete drainage channel. The Vac-Con was used to vacuum up all of the debris in the channel

N/A

What little spill we didn't recover was absorbed into the dirt.

No visible evidence of the spill

No evidence of overflow

Yes

Yes

No

Yes

No

Yes

No

Yes

Yes

Yes

No

NA

NA not a beach. Lake Arrowhead

N/A

None  
None

Possibly Grass Valley Lake. Awaiting lab samples to confirm

Lake Arrowhead

Storm drain runoff/ seasonal creek.

N/A

Lake Arrowhead

Storm water drainage/ Seasonal creek

Willow Creek

none

None

None

None

None

Lake Arrowhead

None

Willow Creek

None

None

None

Grass Valley Creek

Dissolved oxygen

Dissolved oxygen;Other chemical indicator(s) - specify below

No water quality samples taken;Not applicable to this spill

Biological indicator(s) - specify below

Not applicable to this spill

Other (specify below)

Not applicable to this spill

Dissolved oxygen;Other chemical indicator(s) - specify below;Biological indicator(s) - specify below

Dissolved oxygen;Biological indicator(s) - specify below

Biological indicator(s) - specify below

No water quality samples taken

Fecal Coliform MBS Ecoli

MBAS Fecal Strep

MBAS, Total coliform, Fecal Strep

Bacteria, MBAS, and Amonia

MBAS; Fecal Coliform; E-Coli

MBAS, Fecal Streptococcus, E-Coli

Bacti/Fecal Coliform/MBAS

Regional Water Quality Control Board

County Health Agency;Regional Water Quality Control Board

None of the above;No water quality samples taken;Not applicable to this spill

Regional Water Quality Control Board  
Not applicable to this spill  
Regional Water Quality Control Board

None of the above  
County Health Agency;Regional Water Quality Control Board  
Regional Water Quality Control Board

Not applicable to this spill



Results not available as of time of submission of this report



101189 2/15/2010 17:37

102088 3/29/2010 17:15

107347 12/7/2010 13:30

107760 12/22/2010 10:00

110960 2/17/2011 11:24

111528 11/14/2011 18:00

112577 4/24/2011 20:30



6SSO11152	Active	766556 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	766775 Ronald W. Fussell Jr.	Certified
6SSO11152	Active	767114 Mike Blackwood	Certified
6SSO11152	Active	767325 Mike Blackwood	Certified
6SSO11152	Active	768070 Mike Blackwood	Certified
6SSO11152	Active	768665 Mike Blackwood	Certified
6SSO11152	Active	769414 Mike Blackwood	Certified
6SSO11152	Active	772327 Mike Blackwood	Certified
6SSO11152	Active	772599 Mike Blackwood	Certified
6SSO11152	Active	772912 Mike Blackwood	Certified
6SSO11152	Active	773485 Mike Blackwood	Certified
6SSO11152	Active	773884 Mike Blackwood	Certified
6SSO11152	Active	773891 Mike Blackwood	Certified
6SSO11152	Active	774124 Mike Blackwood	Certified
6SSO11152	Active	774754 Mike Blackwood	Certified
6SSO11152	Active	775067 Mike Bl	Certified
6SSO11152	Active	776625 Mike Blackwood	Certified
6SSO11152	Active	777820 Mike Blackwood	Certified
6SSO11152	Active	778346 Mike Blackwood	Certified
6SSO11152	Active	781466 Mike Blackwood	Certified
6SSO11152	Active	781977 Mike Blackwood	Certified
6SSO11152	Active	782051 Mike Blackwood	Certified
6SSO11152	Active	783124 Mike Blackwood	Certified
6SSO11152	Active	783616 Mike Blackwood	Certified
6SSO11152	Active	784773 Mike Blackwood	Certified
6SSO11152	Active	786316 Mike Blackwood	Certified
6SSO11152	Active	786318 Mike Blackwood	Certified
6SSO11152	Active	786585 Mike Blackwood	Certified
6SSO11152	Active	787199 Mike Blackwood	Certified
6SSO11152	Active	787839 Mike Blackwood	Certified
6SSO11152	Active	789556 Mike Blackwood	Certified
6SSO11152	Active	789974 Mike Blackwood	Certified
6SSO11152	Active	790025 Mike Blackwood	Certified
6SSO11152	Active	791511 Mike Blackwood	Certified
6SSO11152	Active	791520 Mike Blackwood	Certified
6SSO11152	Active	792972 Mike Blackwood	Certified
6SSO11152	Active	793033 Mike Blackwood	Certified
6SSO11152	Active	793524 Mike Blackwood	Certified
6SSO11152	Active	793684 Mike Blackwood	Certified
6SSO11152	Active	795764 Mike Blackwood	Certified
6SSO11152	Active	796496 Mike Blackwood	Certified
6SSO11152	Active	796644 Mike Blackwood	Certified
6SSO11152	Active	796654 Mike Blackwood	Certified
6SSO11152	Active	797637 Mike Blackwood	Certified
6SSO11152	Active	798210 Mike Blackwood	Certified
6SSO11152	Active	798933 Mike Blackwood	Certified
6SSO11152	Active	800667	Ready To Certify
6SSO11157	Active	724124 Joseph	Certified
6SSO11157	Active	731545 Mark Busby	Certified
6SSO11157	Active	731556 Mark Busby	Certified
6SSO11157	Active	741514 Mark Busby	Certified
6SSO11157	Active	754504 Mark Busby	Certified
6SSO11157	Active	755766 Mark Busby	Certified
6SSO11157	Active	756128 Mark Busby	Certified
6SSO11157	Active	787922 Joseph Arechiga	Certified

Field Supervisor Wastewater  
Field Supervisor Wastewater  
Field Operations Supervisor-Water  
Field Operations Supervisor - Water  
Field Operations Supervisor-Water  
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Field Operations Supervisor - Water

Arechiga  
Maintenance Superintendent  
Maintenance Superintendent  
Maintenance Superintendent  
Maintenance Superintendent  
Maintenance Superintendent  
Line Maintenance Supervisor

Lake Arrowhead Ca.		538719
Lake Arrowhead Ca.		231059
Lake Arrowhead, CA.		449229
Lake Arrowhead		375285
Lake Arrowhead, CA.		255361
Lake Arrowhead, CA.		336410
Lake Arrowhead, CA.		772908
	92352	604889
	92352	699836
	92352	144281
	92352	972785
	92352	210111
	92352	703210
	92352	807589
	92352	562006
	92352	141908
	92352	971194
	92352	433126
	92352	384162
	92352	402349
	92352	745095
	92352	647405
	92352	397123
	92352	159506
	92352	613149
	92352	670043
	92352	778091
	92352	768087
	92352	798059
	92352	453677
	92352	133488
	92352	955488
	92352	773337
	92352	101192
	92352	663200
	92352	652092
	92352	135012
	92352	767571
	92352	319555
	92352	517224
	92352	979588
	92352	834409
	92352	267528
	92352	880588
	92352	438343
	92352	267240
MCWD		259150
	1/31/2011	320197
	1/31/2011	178047
	1/31/2011	932262
	1/31/2011	207407
	1/31/2011	981234
	1/31/2011	328022
Mammoth Community Water District		199132

16-May-11	5/16/2011	18-May-11	5/18/2011
20-May-11	5/20/2011	23-May-11	5/23/2011
2-Jun-11	6/2/2011	2-Jun-11	6/2/2011
10-Jun-11	6/10/2011	10-Jun-11	6/10/2011
1-Jul-11	7/1/2011	5-Jul-11	7/5/2011
20-Jul-11	7/20/2011	1-Aug-11	8/1/2011
2-Aug-11	8/2/2011	2-Aug-11	8/2/2011
25-Oct-11	10/25/2011	26-Oct-11	10/26/2011
1-Nov-11	11/1/2011	7-Nov-11	11/7/2011
9-Nov-11	11/9/2011	10-Nov-11	11/10/2011
27-Nov-11	11/27/2011	1-Dec-11	12/1/2011
9-Dec-11	12/9/2011	9-Dec-11	12/9/2011
9-Dec-11	12/9/2011	9-Dec-11	12/9/2011
15-Dec-11	12/15/2011	15-Dec-11	12/15/2011
27-Dec-11	12/27/2011	28-Dec-11	12/28/2011
30-Dec-11	12/30/2011	3-Jan-12	1/3/2012
30-Jan-12	1/30/2012	30-Jan-12	1/30/2012
22-Feb-12	2/22/2012	23-Feb-12	2/23/2012
5-Mar-12	3/5/2012	5-Mar-12	3/14/2012
18-May-12	5/18/2012	23-May-12	8/1/2012
6-Jun-12	6/6/2012	5-Jul-12	7/5/2012
11-Jun-12	9/4/2012	4-Sep-12	9/4/2012
9-Jul-12	7/9/2012	23-Jul-12	7/23/2012
17-Jul-12	7/17/2012	23-Jul-12	7/23/2012
7-Aug-12	8/7/2012	8-Aug-12	8/8/2012
18-Sep-12	9/18/2012	18-Sep-12	9/18/2012
18-Sep-12	9/18/2012	18-Sep-12	9/18/2012
25-Sep-12	9/25/2012	26-Sep-12	9/26/2012
15-Oct-12	10/15/2012	15-Oct-12	10/15/2012
5-Nov-12	11/5/2012	6-Nov-12	11/6/2012
31-Dec-12	12/31/2012	2-Jan-13	1/2/2013
9-Jan-13	1/9/2013	10-Jan-13	1/10/2013
9-Jan-13	1/9/2013	10-Jan-13	1/10/2013
11-Feb-13	2/11/2013	12-Feb-13	2/12/2013
11-Feb-13	2/11/2013	12-Feb-13	2/12/2013
28-Mar-13	3/28/2013	29-Mar-13	3/29/2013
28-Mar-13	3/28/2013	29-Mar-13	3/29/2013
19-Apr-13	4/19/2013	26-Apr-13	4/26/2013
26-Apr-13	4/26/2013	2-May-13	5/2/2013
19-Jun-13	6/19/2013	19-Jun-13	6/19/2013
4-Jul-13	7/4/2013	11-Jul-13	7/11/2013
10-Jul-13	7/10/2013	11-Jul-13	7/11/2013
10-Jul-13	7/10/2013	11-Jul-13	7/11/2013
7-Aug-13	8/7/2013	8-Aug-13	8/8/2013
26-Aug-13	8/26/2013	30-Aug-13	8/30/2013
20-Sep-13	9/20/2013	23-Sep-13	9/23/2013
12-Nov-13	11/12/2013		
4-Aug-08		13-Jan-09	3/16/2009
7-Jan-09		31-Jan-11	1/31/2011
7-Jan-09		31-Jan-11	1/31/2011
20-Jul-09		31-Jan-11	1/31/2011
7-Jul-10	7/7/2010	31-Jan-11	1/31/2011
4-Aug-10	8/4/2010	31-Jan-11	1/31/2011
17-Aug-10	8/17/2010	31-Jan-11	1/31/2011
7-Nov-12	11/7/2012	8-Nov-12	11/8/2012



Category 3		50	20
Category 3		10	1
Category 3		35	0
Category 3		1	0
Category 3		25	25
Category 3		25	25
Category 3		100	100
Category 3		20	0
Category 3		10	5
Category 1		10	0
Category 1		1350	1000
Category 3		10	10
Category 3		40	40
Category 1		350	30
Category 3		5	0
Category 3		25	10
Category 3		10	10
Category 1		18000	100
Category 1		1000	200
Category 3		25	0
Category 3		388	388
Category 3		20	10
Category 3		5	0
Category 3		10	4
Category 3		20	10
Category 3		10	5
Category 3		550	0
Category 3		300	100
Category 3		1	1
Category 3		10	10
Category 3		750	750
Category 3		150	150
Category 3		50	50
Category 3		50	40
Category 3		40	40
Category 3		40	10
Category 3		10	10
Category 3		50	30
Category 1		135	0
Category 3		750	700
Category 3		20	15
Category 3		40	40
Category 3		150	100
Category 3		120	50
Category 3		30	30
Category 3	10	10	10
Category 2	700	1100	1100
Category 1		12000	1000
Category 3		100	0
Category 3		10	0
Category 3		50	0
Category 3		367	367
Category 3		807	800
Category 1		2060	0
Category 3		500	0

0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
10 Yes	No
350 Yes	No
0 No	No
0 No	No
320 Yes	Yes
0 No	No
0 No	No
0 No	No
17900 Yes	No
800 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
135 Yes	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
11000 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
350 Yes	No
0 No	No

No

No

Yes

No

Yes

Yes

No

Not Applicable - Spill did not reach a separate storm drainpipe

Access road behind 469 Pioneer Road  
C Lane Lake Arrowhead Ca.  
Lower Primrose  
400 Primrose rd.  
27592 West Shore Road  
Golf Course Access Road  
27760 West Shore Road  
1462 Sequoia  
Bret Harte  
Papoose Lake  
Stump Dump access road  
Fairway #1 MH# G3 D304  
Fairway #2 MH G3 B302  
867 Strawberry Peak Road  
274 Flower Dr  
28905 Palisades Dr.  
27709 State Highway 189  
Lakeside Trailer Park  
190 John Muir  
578 Grass Valley Road  
26548 Blackfoot Trail East  
480 Cottage Grove  
Golden Lane  
27669 HWY 189  
335 Flower Drive  
283 El Dorado  
558 Karenken pines access RD>  
383 n. st hwy 173  
28906 N.Shore RD.  
27651 hwy 189  
27352 Alpen  
177 Hwy 173 12/31/12  
325 Cottage Grove RD. 1/3/13  
28617 manitoba  
217 HWY 173  
688 Rose Ln. easement line behind house  
Pioneer sso  
Ferndell dr.  
27772 Hamiltair Drive (4/26/13)  
1041 Pintail Circle  
254 Mittry 7/3/13  
305 / 311 John Muir 7/6/13  
883 Shelter cove spur 7/7/13  
183 C In 8- 2-13  
211 HWY 173 8/18/13  
593 Grass Valley Road 09-08-13  
441 ClubHouse  
3275 Main Street  
The bridges Condo's  
Lake Mary Road @ Lee Road manhole  
Tamarck Pump station  
Sherwin  
Mammoth Creek Road  
Sherwin Creek Campground Force Main  
View point road

34.387222	-117.423056 San Bernardino
34.263611	-117.222222 San Bernardino
34.248	-117.18625 San Bernardino
34.481389	-117.230833 San Bernardino
34.26549	-117.20161 San Bernardino
34.250258	-117.200248 San Bernardino
34.509167	-117.447778 San Bernardino
34.434722	-117.300278 San Bernardino
34.326389	-117.356111 San Bernardino
34.453611	-117.18 San Bernardino
34.250203	-117.166679 San Bernardino
34.86666	-117.334 San Bernardino
34.233574	-117.216759 San Bernardino
34.428889	-117.349167 San Bernardino
34.428889	-117.349167 San Bernardino
34.428889	-117.349167 San Bernardino
34.2714	-117.003667 San Bernardino
34.265556	-117.215 San Bernardino
34.306944	-117.359722 San Bernardino
34.26041	-117.21393 San Bernardino
34.22917	-117.22439 San Bernardino
34.24495	-117.19678 San Bernardino
34.2478045	-117.1930977 San Bernardino
34.500278	-117.454167 San Bernardino
34.24866	-117.18778 San Bernardino
34.14861	-117.13336 San Bernardino
34.14642	-117.133 San Bernardino
34.15364	-117.083333 San Bernardino
34.266713	-117.26675 San Bernardino
34.266699	-117.249167 San Bernardino
34.26567	-117.20447 San Bernardino
34.25026	-117.1784 San Bernardino
34.24716	-117.19363 San Bernardino
34.27638	-117.17901 San Bernardino
34.24687	-117.18419 San Bernardino
34.24076	-117.23363 San Bernardino
34.2609	-117.21087 San Bernardino
34.24928	-117.19596 San Bernardino
34.2615	-117.19723 San Bernardino
34.26761	-117.18241 San Bernardino
34.24828	-117.18762 San Bernardino
34.25551	-117.17857 San Bernardino
34.2654	-117.18075 San Bernardino
34.25081	-117.18172 San Bernardino
34.24884	-117.18299 San Bernardino
34.2605	-117.21313 San Bernardino
34.24565	-117.2279 San Bernardino
37.647	-118.97 Mono
37.638	118.997 Mono
37.642	-118.995 Mono
37.61788	-119.0066 Mono
37.63479	-118.93574 Mono
37.63579	-118.941343 Mono
37.631131	-118.930219 Mono
37.64897	-118.97884 Mono

[illegible]

Overflowing from District cleanout on access road  
Spill overflowed out of a private lateral. Along the side of the road way  
Manhole located at bottom of lot 400 Primrose Road  
On the side of a hill at the bottom of the lot.

Access road behind 854 Golf Course Road  
Access road behind house  
Clean out on access road behind address  
Cleanout  
Manhole overflow running down Highway 173 into roadway drainage into Papoose Lake  
Unnamed access road behind 944 Brentwood Drive sometimes referred to as the Stump Dump  
Manhole G3 D304

Spill coming from a manhole  
Clean out next to road side.  
From a manhole on an easement line.  
District cleanout behind 27709 State Highway 189.

Spill was located in easement below John Miur Road  
Rear yard of 578 Grass Valley Road

discharging from a district manhole.  
Stoppage from broken pipe  
Spilled out of manhole and onto dirt area.  
flooded home and MH overflow at 558 Karenken pines

In a easement at the property of 28906 N. shore RD.

Inside the home of 177 State Hwy 173, lower level laundry room.

Access road

Manhole behind 688 Rose Ln. overflowed  
Behind address  
Manhole in street  
Manhole and customer clean out at given address

overflowing manhole on the property of 883 Sheltercove spur

District manhole in the dirt of an easement line

Manhole overflow at 3275 main street at the Intersection of main & Minaret  
Up on an easement below buildings in the snow covered forest floor  
Manhole at the corner of Lake Mary Road & Lee Road  
Small access road between Twin Lakes road and Lodge where manholes run between Lift stations is where the water came  
The spill occurred 700' from Mammoth Creek Road and 2,200' from the lift station.  
Spill occurred on unnamed dirt trail and pooled on Mammoth creek road.  
South of Sherwin Creek Campground, about 20 feet east of a pedestrian bridge and ten feet north of Mammoth Creek, all  
Steep easement road parallel to highway 203. Area where demolition had taken place. Steep road inaccessible in winter

1  
1

re out of a manhole pick hole.

ong a 4 inch sewer force main which crc



Other (specify)  
Gravity sewer  
Gravity sewer  
Manhole  
Gravity sewer  
Gravity sewer  
Manhole  
Gravity sewer  
Other (specify)  
Manhole  
Gravity sewer;Manhole  
Manhole  
Manhole  
Manhole  
Other (specify)  
Manhole  
Other sewer system structure  
Manhole  
Gravity sewer  
Other sewer system structure  
Manhole  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Gravity sewer;Manhole  
Building or structure;Gravity sewer;Manhole  
Gravity sewer  
Gravity sewer  
Gravity sewer  
Gravity sewer;Manhole  
Building or structure  
Gravity sewer;Manhole  
Gravity sewer;Manhole  
Gravity sewer;Manhole  
Gravity sewer;Manhole  
Gravity sewer;Manhole  
Gravity sewer;Manhole  
Gravity sewer;Manhole;Other (specify)  
Gravity sewer;Manhole  
Gravity sewer;Manhole  
Building or structure  
Gravity sewer;Manhole  
Gravity sewer;Other sewer system structure  
Gravity sewer  
Manhole  
Gravity Mainline;Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Force main or pressure sewer  
Force main or pressure sewer  
Force main or pressure sewer  
Manhole

District cleanout

Cleanout

Spilled out from a private lateral clean out.

District Cleanout  
Paved Surface

Clean out

Break in main along side of Flower Drive

customer clean out

4 inch cleanout over flowing

From the manhole to the dirt around it  
stoppage in a gravity sewer main coming out a manhole

Grey water coming out of manhole lid

Other paved surface;Unpaved surface  
Other paved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Surface water  
Surface water;Unpaved surface  
Unpaved surface  
Unpaved surface  
Surface water  
Other paved surface  
Other paved surface  
Unpaved surface  
Surface water  
Surface water  
Unpaved surface  
Other paved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Building or structure;Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Street/curb and gutter;Unpaved surface  
Building or structure  
Unpaved surface  
Street/curb and gutter;Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Other paved surface;Street/curb and gutter;Unpaved surface  
Surface water  
Street/curb and gutter;Unpaved surface  
Street/curb and gutter  
Other (specify below)  
Unpaved surface  
Unpaved surface  
Other paved surface  
Unpaved surface  
Paved Surface;Separate Storm Drain;Street/Curb and Gutter  
Storm drain;Street/curb and gutter  
Unpaved surface  
Street/curb and gutter;Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Surface water  
Other paved surface;Unpaved surface

Spill ran down the street barely wetting the surface.

In the dirt next to the access road

Closed lake, non-public use body of water

Spill made it's way to a seasonal creek

Part of the spill saturated 5' of soil around the manhole and the other part ran down a home owners outside stairs. Stoppi

Over flowed out of manhole in easement into storm drainage which flowed into Lake Arrowhead.

The discharge was miniumal and infrequent so it only discharged around the manhole.

backed up into homes at 311 / 305 John Muir. Self relieved at 11:00 am

dry storm drain channel where the spill was washed down with water and Bleach and any standing water was then extract  
Forest Floor

The grey water was mixed with snow and Ice and then ended up on unpaved area in the Manzanita vegetation.

5/13/2011 11:45	5/13/2011 11:55	5/13/2011 12:10	5/13/2011 13:13
5/20/2011 1:30	5/20/2011 1:43	5/20/2011 1:55	5/20/2011 2:40
6/1/2011 19:50	6/1/2011 19:50	6/1/2011 20:05	6/1/2011 21:30
6/9/2011 16:45	6/9/2011 17:00	6/9/2011 17:10	6/9/2011 17:30
6/30/2011 15:50	6/30/2011 16:00	6/30/2011 16:05	6/30/2011 16:10
7/17/2011 17:00	7/17/2011 16:50	7/17/2011 17:00	7/17/2011 19:30
7/30/2011 11:43	7/30/2011 11:43	7/30/2011 12:10	7/30/2011 13:25
10/23/2011 13:00	10/23/2011 16:14	10/23/2011 16:40	10/23/2011 17:45
10/27/2011 7:30	10/27/2011 7:45	10/27/2011 7:50	10/27/2011 8:15
11/8/2011 0:00	11/8/2011 11:01	11/8/2011 11:02	11/8/2011 11:05
11/25/2011 0:00	11/25/2011 13:00	11/25/2011 13:30	11/25/2011 14:35
12/7/2011 9:45	12/7/2011 9:55	12/7/2011 10:05	12/7/2011 1:35
12/7/2011 9:45	12/7/2011 9:55	12/7/2011 10:05	12/7/2011 1:35
12/14/2011 0:00	12/14/2011 9:15	12/14/2011 9:25	12/14/2011 9:50
12/23/2011 9:50	12/23/2011 10:00	12/23/2011 10:50	12/23/2011 11:20
12/30/2011 9:30	12/30/2011 9:30	12/30/2011 9:50	12/30/2011 10:02
1/30/2012 11:15	1/30/2012 11:15	1/30/2012 11:25	1/30/2012 11:50
2/21/2012 0:00	2/21/2012 6:00	2/21/2012 6:10	2/21/2012 8:00
3/4/2012 0:00	3/4/2012 17:17	3/4/2012 17:35	3/4/2012 19:10
5/15/2012 0:00	5/15/2012 10:41	5/15/2012 11:00	5/15/2012 11:19
6/1/2012 0:00	6/1/2012 13:30	6/1/2012 13:38	6/1/2012 13:50
6/7/2012 0:00	6/7/2012 10:19	6/7/2012 10:32	6/7/2012 10:58
7/5/2012 10:00	7/5/2012 10:20	7/5/2012 10:30	7/5/2012 12:00
7/17/2012 6:00	7/17/2012 10:58	7/17/2012 11:12	7/17/2012 11:53
8/1/2012 16:00	8/1/2012 19:37	8/1/2012 20:00	8/1/2012 20:50
9/11/2012 11:25	9/11/2012 11:25	9/11/2012 11:38	9/11/2012 12:20
9/15/2012 10:30	9/15/2012 10:30	9/15/2012 10:45	9/15/2012 11:30
9/18/2012 9:18	9/18/2012 9:30	9/18/2012 10:00	9/18/2012 10:45
10/14/2012 8:00	10/14/2012 9:45	10/14/2012 10:00	10/14/2012 1:00
10/28/2012 9:25	10/28/2012 9:30	10/28/2012 9:50	10/28/2012 10:00
12/23/2012 10:15	12/23/2012 10:27	12/23/2012 10:37	12/23/2012 11:25
12/31/2012 2:07	12/31/2012 2:07	12/31/2012 2:15	12/31/2012 4:00
1/3/2013 12:00	1/3/2013 12:10	1/3/2013 12:15	1/3/2013 14:00
2/4/2013 12:05	2/4/2013 12:10	2/4/2013 12:20	2/4/2013 12:45
2/8/2013 14:10	2/8/2013 14:20	2/8/2013 14:35	2/8/2013 15:00
3/13/2013 0:00	3/13/2013 0:00	3/13/2013 0:00	3/13/2013 0:00
3/13/2013 0:00	3/13/2013 18:50	3/13/2013 18:57	3/13/2013 22:50
4/10/2013 0:00	4/10/2013 16:15	4/10/2013 16:20	4/10/2013 16:50
4/26/2013 0:00	4/26/2013 12:31	4/26/2013 12:47	4/26/2013 13:15
6/18/2013 13:13	6/18/2013 13:20	6/18/2013 13:27	6/18/2013 13:55
7/3/2013 22:45	7/3/2013 22:50	7/3/2013 23:15	7/4/2013 23:26
7/6/2013 22:40	7/6/2013 22:50	7/6/2013 23:19	7/6/2013 23:00
7/7/2013 10:45	7/7/2013 11:10	7/7/2013 11:22	7/7/2013 12:39
8/2/2013 7:45	8/2/2013 9:10	8/2/2013 9:30	8/2/2013 10:55
8/18/2013 0:00	8/18/2013 13:49	8/18/2013 14:09	8/18/2013 15:09
9/8/2013 0:00	9/8/2013 11:25	9/8/2013 11:35	9/8/2013 13:50
11/8/2013 8:14	11/8/2013 8:24	11/8/2013 8:40	11/8/2013 8:50
8/2/2008 9:00	8/2/2008 9:00	8/2/2008 9:20	8/2/2008 11:00
1/3/2009 10:00	1/3/2009 10:15	1/3/2009 11:00	1/3/2009 10:30
1/5/2009 11:30	1/5/2009 11:30	1/5/2009 11:30	1/5/2009 11:32
7/18/2009 18:00	7/20/2009 12:30	7/20/2009 12:35	7/18/2009 20:00
6/28/2010 14:30	6/28/2010 15:00	6/28/2010 15:30	6/28/2010 16:00
7/30/2010 12:00	7/30/2010 13:00	7/30/2010 13:10	7/30/2010 13:25
8/5/2010 0:00	8/6/2010 7:00	8/6/2010 7:30	8/6/2010 7:30
11/5/2012 0:00	11/5/2012 11:10	11/5/2012 12:30	11/5/2012 3:00

Debri-Rags  
Debri-Rags  
Debri-Rags  
Root intrusion  
Pipe structural problem/failure  
Debri-Rags  
Root intrusion  
Root intrusion  
Debri-Rags  
Other (specify below)  
Grease deposition (FOG)  
Other (specify below)  
Other (specify below)  
Root intrusion  
Root intrusion  
Debri-Rags  
Root intrusion  
Debri-Rags  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Debri-Rags  
Vandalism  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Debri-Rags  
Root intrusion  
Root intrusion  
Root intrusion  
Root intrusion  
Debri-Rags  
Root intrusion  
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Root intrusion  
Root intrusion  
Debri-General  
Root intrusion  
Root intrusion  
Grease deposition (FOG)  
Pipe structural problem/failure  
Pipe structural problem/failure  
Pipe structural problem/failure  
Root intrusion

Very little root on end of cleaning tool. With large amounts of rags wrapped on it.

Sewer was full of flushable rags

Contractor error while sliplining district main

Contractor for SB County was repaving access road and knocked debris (Rocks, Mud, Asphalt) into line causing blockage

Contractor for SB County was repaving access road and pushed debris (rocks, mud, asphalt) into main causing blockage.

Rags forming together to create stoppage.

when surcharged manhole was relieved we found a small amount of roots and rags on the tool.

ROOTS/FOG

Grease and rags

Root Intrusion was found. The higher flows for the holiday may have not been able to flow through like the lower flows we  
Operator cleaning up stream was unaware of any root intrusion down stream and the high flow of the jet rodder caused sc

Recent earthquakes could have contributed to pipe failure

[illegible]Gravity Mainline  
Gravity Mainline

Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main



About 195 feet downstream from upper manhole. Located on C Lane.

Inside sewer main

It appears that Grease from a nearby restaurant entered into the sewer main. Along with rock debris may have caused the  
The roots came in at the outlet of the pipe in the manhole channel and caused the flow to slow.

Failure occurred on 4 pvc side wall

6 AC  
6 Concrete  
6 clay

8 Transite  
6 AC  
6 concrete  
6 concrete  
12 concrete  
8 ACP  
6 Asbestos Concrete  
6 Asbestos Concrete  
8 AC  
6 concrete  
4 concrete  
6

6 concrete  
6 ACP  
8 PVC  
6 concrete  
6 Concrete  
4 concrete  
6 concrete  
8 acp  
8 acp  
8 clay

6 concrete  
8 acp  
6 concrete  
6 concrete  
6 acp  
6 concrete  
8 ACP  
8 acp  
6 concrete  
8 concrete  
8 conc.  
4 concrete  
6 concrete  
8 concrete  
8 ACP  
6 clay  
8 Concrete  
8 pvc  
8 AC  
8 pl  
8 AC  
8 AC  
4 pvc  
4 pvc  
4 PVC  
8 ac

No  
No  
→ blockage. We are CCTV In

51  
65  
55

40  
70  
70  
40  
35  
35  
30

50

60  
40  
20  
55  
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50  
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45  
70  
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60  
60  
75  
80  
40  
80  
780  
360  
1966  
27  
27

1974  
36  
30  
40



Responded to spill. Damned up spill, relieved spill with Rodder, returned spill to sewer with bucket

Hand rodded district cleanout to retrieve roots and relieve SSO.

Our customer service department was notified of this SSO by a homeowner on Golden Lane shortly after the SSO occurred. After relieving the stoppage with plumbers rod we cleaned the line with a combination truck, twice.

Relieved stoppage with high velocity cleaner and cctved

Washed down the Forest Floor in the area with fresh water

Responded to the call, identified the area, turned off the pump station, excavated the area and hauled off spoils, repaired. Turned off pumps feeding force main, excavated to pipe, repaired leak, excavated to dry soil, trucked off spoils, sprayed s

11/8/2011 14:00  
11/25/2011 18:15

12/14/2011 15:30

2/21/2012 11:30  
3/4/2012 19:30

4/26/2013 3:11

11/8/2013 13:00  
8/2/2008 12:00

8/9/2010 8:00

Other (specify below)

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Inspected Sewer Using CCTV to Determine Cause

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance;Enforcement act

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance;Plan rehabilitatic

Contractor has been instructed not to work after District business hours, and instructed to monitor upstream manholes wh

Constructed a 4-inch surface line to bypass the leak area.



Yes  
Yes

Yes

Yes  
Yes

Yes

No  
Yes

Yes

Clear

did not appear to impact receiving water. Water looked the same upstream as it did downstream.

No visual impact on receiving waters

n/a

surface water appears normal and no abnormal odors present

The water that spilled melted some snow near by then the water was absorbed in the Forest Floor.

Water ran down the dirt road and pooled on road

No observable change to Mammoth Creek proper, however a few small (4-inch by 4-inch typical) ponding areas in the rock

No  
No

Yes

Yes  
Yes

Yes

Yes

No

n/a

n/a

none

N/A

NA

None

None

NONE

None

Not Applicable

None

Not Applicable

not applicable

Papoose Lake

Grass Valley Creek

None

None

Grass Valley Creek

Not Applicable

Not Applicable

None

Lake Arrowhead

Lake Arrowhead

None

Not Applicable

Not Applicable

None

n/a

Not applicable

none

none

none

none

n/a

N/A

N/A

n/a

N/A

Lake Arrowhead

N/A

n/a

N/A

N/A

n/a

N/A

Mammoth Creek

Biological indicator(s) - specify below  
Other (specify below)

Biological indicator(s) - specify below

Biological indicator(s) - specify below  
Other chemical indicator(s) - specify below; Biological indicator(s) - specify below

Biological indicator(s) - specify below

Not applicable to this spill

Biological indicator(s) - specify below

MBAS, Fecal and Total Coliform; E-Coli  
MBAS, T. Coli, F. Coli, PH, Temp, NH3

MBAS, T.Coli, E.Coli

MBAS, Amonia, PH, Temp,total coliform bacteria, fecal strep,fecal coliform  
Total coliform Bacteria Fecal Steptococcus pH Ammonia Methylene Blue Active Substances

Total Coliform, Fecal Coliform, Fecal streptococcus, pH,Ammonia,MBAS,nh3-n

Fecal Coliform; Chloride; Nitrate; TKN; Total Phosphorus

None of the above  
Regional Water Quality Control Board

Regional Water Quality Control Board

Regional Water Quality Control Board  
Regional Water Quality Control Board

Regional Water Quality Control Board

No water quality samples taken

Regional Water Quality Control Board



\${ssoDetails.resultsReportedExplanation}

Measured length and depth

116655	11/8/2011 15:24
116995	11/25/2011 14:30

117383	12/14/2011 10:54
--------	------------------

121019	2/21/2012 9:30
121234	3/4/2012 19:30

132509	4/26/2013 13:45
--------	-----------------

90266	8/2/2008 9:00
-------	---------------

104709	8/6/2010 15:00
	11/8/2012 8:19

Mike Blackwood, Field Ops Sup  
Steven Papp Field operations supervisor waste water

9093367134  
9093367135

6SSO11160	Historical	718848 Lynn Sherman	Certified
6SSO11160	Historical	756524 Lynn Sherman	Certified
6SSO11165	Active	757859 Robert Derryberry	Certified
6SSO11168	Active	710636 Stephen Samaras	Certified
6SSO11168	Active	732167 Stephen Samaras	Certified
6SSO11168	Active	733930 Bill Stone	Certified
6SSO11168	Active	748020 kathu whalen	Certified
6SSO11168	Active	751898 Samaras, Stephen	Certified
6SSO11168	Active	758268 Steve Samaras	Certified
6SSO11168	Active	759300 Stephen Samaras	Certified
6SSO11168	Active	763446 Steve Samaras	Certified
6SSO11168	Active	763459 Stephen Samaras	Certified
6SSO11168	Active	763518 Steve Samaras	Certified
6SSO11168	Active	764634 Steve Samaras	Certified
6SSO11168	Active	785635 Steve Samaras	Certified
6SSO11168	Active	790733 Steve Samaras	Certified
6SSO11168	Active	791437 Steve Samaras	Certified
6SSO11168	Active	797693 Steve Samaras	Certified
6SSO11168	Active	799673	Submit Draft
6SSO11169	Active	710487 Marce J. Delaney	Certified
6SSO11169	Active	731176 Jome Navarat	Certified
6SSO11169	Active	749033 Marce J. Delaney	Certified
6SSO11169	Active	749035 Marce J. Delaney	Certified
6SSO11169	Active	759279 Jome Navarat	Certified
6SSO11169	Active	759826 Jome Navarat	Certified
6SSO11169	Active	760056 Gina Cloutier	Certified
6SSO11169	Active	760107 Jome Navarat	Certified
6SSO11169	Active	760890 Jome Navarat	Certified
6SSO11169	Active	785999 Gina R Cloutier	Certified
6SSO11169	Active	787398 Gina R Cloutier	Certified
6SSO11169	Active	787399 Gina Cloutier	Certified
6SSO11169	Active	787703 Gina Cloutier	Certified
6SSO11169	Active	788026 Gina Cloutier	Certified
6SSO11169	Active	794670 Gina Cloutier	Certified
6SSO11169	Active	798885 Gina Cloutier	Certified
6SSO11169	Active	800156 Gina Cloutier	Certified
6SSO11169	Active	800796	Submit Draft
6SSO11171	Historical	745272 Lynn Sherman	Certified
6SSO11182	Active	749130 Donald D. Ulstad	Certified
6SSO11182	Active	751740 John Branch	Certified
6SSO11377	Active	791684 Steve Samaras	Certified
6SSO11379	Active	708680 Stephen Samaras	Certified
6SSO11379	Active	748061 kathy whalen	Certified
6SSO11379	Active	794000 steve samaras	Certified
6SSO11380	Active	708931 Stephen Samaras	Certified
6SSO11380	Active	714091 Stephen Samaras	Certified
6SSO11380	Active	759765 Stephen Samaras	Certified
6SSO11380	Active	774053 Stephen Samaras	Certified
6SSO11425	Active	712594 Joseph P. Flores	Certified
6SSO11425	Active	717965 Joseph Flores	Certified
6SSO11425	Active	719762 Joseph Flores	Certified
6SSO11425	Active	725922 Joseph Flores	Certified
6SSO11425	Active	731279 Joe Flores	Certified
6SSO11425	Active	731287 Joseph Flores	Certified
6SSO11425	Active	731294 Joseph Flores	Certified

Environmental Engineer  
environmental engineer  
Wastewater Supervisor  
Operations Manager  
Operations Manager (Interim)  
Water Operations Manager  
wastewater operations manager  
Water Operations Manager (Interim)  
Operations Manager (Interim)  
Operations Manager (Interim)  
Operations Manager  
Operations Manager (Interim)  
Operations Manager (Interim)  
Operations Manager  
Operations Manager  
Interim Operations Manager  
Operations Manager  
Operations Manager

Environmental Compliance Supervisor  
EH&S/Regulatory Compliance & maintenance Supervisor  
Environmental Compliance Supervisor  
Environmental Compliance Supervisor  
EH&S/Regulatory Compliance & Maintenance Supervisor  
EH&S, Regulatory Compliance Supervisor  
Laboratory/Environmental Compliance Supervisor  
EH&S/Regulatory Compliance & Maintenance Supervisor  
EH&S/Regulatory Compliance & Maintenance Supervisor  
Laboratory/Environmental Compliance Supervisor  
Laboratory/Environmental Compliance Supervisor  
Laboratory/Environmental Compliance Supervisor  
Laboratory/Environmental Compliance Supervisor  
Laboratory/Environmental Compliance Supervisor  
Laboratory/Environmental Compliance Supervisor  
Laboratory / Environmental Compliance Supervisor  
Laboratory/Environmental Compliance Supervisor

Environmental Engineer  
CPM I  
Correctional Plant Manager (A)  
Operations Manager  
Operations Manager (Interim)  
wastewater operations manager  
water and sanitation manager  
Operations Manager (Interim)  
Operations Manager (Interim)  
Operations Manager (Interim)  
Interim Operations Manager  
Public Works Manager  
Public Works Manager  
Public Works Manager  
Public Works Manager  
Public Works Manager  
Public Works Manager  
Public Works Manager

MCLB Barstow, CA		106012
	14:28	539501
	726	296103
1414 hrs.		239621
1417 hrs.		335047
2:00pm		145811
24516 Lake Drive		900829
0800 hrs		566681
0728 hrs. 12-20-2010		609671
12402 Industrial Blvd		112556
12402 Industrial Blvd		445097
12402 Industrial Blvd		529521
12802 Corona, Helendale Ca.		174614
12402 Industrial Blvd		991683
VV		541395
VV		463337
VV		672195
VV		379452
	1420	564136
Region 6B		933080
Victorville, CA		488906
Victorville, CA		462826
Region 6B		411996
Victorville, CA		312515
Victor Valley Wastewater Reclamation Authority, Victorville, CA		816440
Region 6B		358309
Region 6B		485216
Victor Valley Wastewater Reclamation Authority WWTP		565688
Victor Valley Wastewater Reclamation Authority WWTP		751622
Victor Valley Wastewater Reclamation Authority		983494
Victor Valley Wastewater Reclamation Authority		673445
Victor Valley Wastewater Reclamation Authority		350338
Victor Valley Wastewater Reclamation Authority		370132
Victor Valley Wastewater Reclamation Authority		400713
Victor Valley Wastewater Reclamation Authority, Victorville, CA		447547
	11:38	533808
CSP-LAC		637501
CSP-LAC		969914
VV		747972
1353 hrs.		259248
24516 Lake Drive		824715
VV		619675
1358 hrs.		444699
12420 Industrial Blvd Victorville		327825
12402 Industrial blvd		940341
Helendale		580814
City Yd., Victorville P.W.s		314772
City of Victorville		444836
City of Victorville		700470
City of Victorville		668415
Victorville		616558
City of Victorville		898233
City of Victorville		600206

4-Jun-08		9-Jun-08	6/9/2008
1-Sep-10	9/1/2010	1-Sep-10	9/1/2010
18-Oct-10	10/18/2010	18-Oct-10	10/18/2010
2-Jan-08		22-Oct-10	10/22/2010
20-Jan-09		22-Oct-10	10/22/2010
20-Feb-09		26-Feb-09	2/26/2009
30-Dec-09		22-Jan-10	1/22/2010
22-Apr-10		29-Apr-10	4/29/2010
1-Nov-10	11/1/2010	20-Dec-10	12/20/2010
10-Dec-10	12/10/2010	23-Feb-11	2/23/2011
23-Feb-11	2/23/2011	24-Feb-11	2/24/2011
23-Feb-11	2/23/2011	25-Feb-11	2/25/2011
23-Feb-11	2/23/2011	20-Mar-11	3/20/2011
22-Mar-11	3/22/2011	24-Mar-11	3/24/2011
28-Aug-12	8/28/2012	28-Aug-12	8/28/2012
24-Jan-13	2/14/2013	12-Mar-13	3/12/2013
7-Feb-13	2/14/2013	27-Jun-13	6/27/2013
8-Aug-13	8/8/2013	20-Sep-13	9/20/2013
10-Oct-13	10/10/2013		
28-Dec-07		28-Dec-07	12/28/2007
30-Dec-08		30-Dec-08	2/1/2011
1-Feb-10		1-Feb-10	2/3/2010
1-Feb-10		1-Feb-10	2/3/2010
9-Dec-10	12/9/2010	9-Dec-10	1/4/2011
23-Dec-10	12/23/2010	23-Dec-10	12/23/2010
31-Dec-10	11/17/2013	6-Jan-11	11/20/2013
3-Jan-11	1/3/2011	5-Jan-11	2/1/2011
11-Jan-11	1/11/2011	12-Jan-11	2/1/2011
7-Sep-12	10/30/2012	30-Oct-12	10/30/2012
22-Oct-12	10/30/2012	30-Oct-12	10/30/2012
22-Oct-12	9/19/2013	23-Oct-13	10/23/2013
30-Oct-12	11/15/2012	23-Oct-13	10/23/2013
14-Nov-12	11/15/2012	23-Oct-13	10/23/2013
3-Jun-13	9/19/2013	19-Sep-13	9/19/2013
19-Sep-13	9/19/2013	23-Oct-13	10/23/2013
23-Oct-13	10/23/2013	13-Nov-13	11/13/2013
17-Nov-13	11/17/2013		
1-Oct-09		1-Oct-09	10/1/2009
4-Feb-10		2-Feb-11	2/2/2011
16-Apr-10		16-Apr-10	4/16/2010
14-Feb-13	2/14/2013	18-Mar-13	3/18/2013
3-Dec-07		22-Oct-10	10/22/2010
31-Dec-09		22-Jan-10	1/22/2010
8-May-13	5/8/2013	7-Jul-13	7/7/2013
10-Dec-07		22-Oct-10	10/22/2010
27-Feb-08		4-Mar-11	3/4/2011
22-Dec-10	12/22/2010	23-Feb-11	2/23/2011
13-Dec-11	12/13/2011	17-Dec-11	12/17/2011
7-Feb-08		7-Feb-08	2/7/2008
23-May-08		27-May-08	9/5/2008
18-Jun-08		6-Aug-08	8/7/2008
8-Sep-08		8-Sep-08	9/8/2008
31-Dec-08		31-Dec-08	12/31/2008
31-Dec-08		31-Dec-08	12/6/2010
31-Dec-08		31-Dec-08	12/6/2010



Category 3		500	300
Category 3		90	80
Category 1		2000	1500
Category 3		450	280
Category 3		300	180
Category 3		60	0
Category 3		200	0
Category 3		50	0
Category 3		50	0
Category 3		300	0
Category 3		300	100
Category 3		350	250
Category 3		60	0
Category 2		2000	0
Category 3		250	200
Category 3		25	25
Category 3		200	150
Category 3	0	40	35
Category 3	750	750	125
Category 1		49500	5400
Category 1		18000	0
Category 1		7716	0
Category 1		52625	0
Category 1		406597	184078
Category 1		64700	0
Category 1	0	42900000	0
Category 2		5798	0
Category 2		8000	0
Category 3		65	0
Category 3		30	0
Category 3	3	3	0
Category 3	464	464	0
Category 3	0	600	0
Category 3	2	2	0
Category 1	75	352	0
Category 3	216	216	200
Category 3	150	150	35
Category 3		20	20
Category 3		150	50
Category 3		100	0
Category 2		5560	4285
Category 1		2875	0
Category 3		150	0
Category 3		150	150
Category 3		500	0
Category 1		5000	0
Category 1		249	0
Category 3		200	0
Category 1		45476	0
Category 3		100	10
Category 1		157810	72000
Category 2		3187	2710
Category 1		2918	800
Category 3		100	0
Category 1		1000	200

0 No	No
0 No	No
2000 Yes	Yes
No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
44100 Yes	No
18000 Yes	Yes
7716 Yes	Yes
52625 Yes	Yes
222519 Yes	Yes
64700 Yes	No
42900000 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
277 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	Yes
175 Yes	Yes
0 No	No
0 No	No
No	No
5000 Yes	No
249 Yes	No
0 No	No
45476 Yes	No
0 No	No
117810 Yes	No
0 No	No
996 Yes	No
0 No	No
800 Yes	Yes



MCLB Barstow, Nebo, Chosin Street area  
 YAC lateral cleanout spill  
 35th street west and Mount Lassen  
 West side of Trona Road, South of Yucca Road  
 I/S Trona Road & Verbena Street  
 13209 Lupine  
 Anthol Road X Trona Road  
 Trona Road E/O Rest Stop Area  
 I/S Main Street & Alameda Street  
 CSA 82 - TRONA / PIONEER POINT - 13829 Carson Street  
 Alley Way E Between Wildrose & Verbena  
 13786 Benton Street  
 83426 Argus Avenue  
 On N/S of Verbena Street West of Trona Road  
 13883 Cedar St. Pioneer Pt.  
 83426 Argus Ave. Trona Ca Trona Ca. 93562  
 13365 Verbena  
 13408 Wildrose St. Trona Ca.  
 84325 Trons Rd. Trona Ca.  
 Hesperia Interceptor MH#11  
 Hesperia MH#68, 69 and 75  
 I Avenue--Lemon to E Avenue Wednesday 01202010  
 I Avenue--one MH South of Lemon to E Avenue (4 MHs) Thursday 01212010  
 I Avenue Interceptor Manhole number 73  
 Manhole #68 & #69 adjacent to 10770 I Avenue, Hesperia, CA 92345  
 Upper Narrows MH5-1 to MH5-8, City of Victorville  
 KEMPER CAMPBELL RANCH ROAD, Victorville  
 D Street and 8th Street (MH 5-1) / 11th and C Street (MH #1 of CSA64 line)  
 Emergency Bypass Site # 2 SAVI MH # 4  
 UNE-Site#1 ,MH#3 CSA64 Interceptor  
 UNE Site#1 Schedule 5 interceptor MH#8 (Wet Well)  
 VVWRA UNE Site # 1 Schedule 5 Interceptor MH #8  
 VVWRA Upper Narrows Emergency Bypass Site # 1  
 Emergency Bypass Site # 2 SAVI MH # 4  
 Upper Narrows Emergency Bypass Site # 2  
 Upper Narrows Emergency Bypass Site # 2  
 Victor Valley Wastewater Reclamation Authority EC Office  
 Maintenance Center Hardstand  
 CSP-LAC C-3 Housing unit  
 Housing unit C-4  
 Manhole west fot intersection of Topaz and Elderberry st. in the City of Hesper  
 LINDERO ROAD  
 12925 Spring Valley Parkway  
 Kalin Ranch Rd. @ Golf Course Drive  
 Hwy 18 Running Springs  
 Hwy 18 -[Hill Top Blvd]  
 CSA 79 CRAB FLATS SEWER PUMPING STATION  
 709 Oak Knoll Drive  
 VSD-4, Turner Rd.  
 Locust Avenue  
 Rodeo Dr. south of Lorene Dr.  
 Winona St., East of 9th Ave.  
 Sewer Easement East of Talpa Rd. & west of Oro Grande Wash  
 First Street  
 La Paz Drive @ the Oro Grande Wash crossing

34.87065	-116.96287 San Bernardino
34.873	-116.965 San Bernardino
34.84889	-118.19332 Kern
35.775	117.424444 San Bernardino
35.76887	117.36935 San Bernardino
35.77	117.531111 San Bernardino
35.773667	-117.367889 San Bernardino
35.75802	-117.37627 San Bernardino
35.75832	-117.37958 San Bernardino
35.78784	-117.36281 San Bernardino
35.76849	-117.37222 San Bernardino
35.78586	-117.36304 San Bernardino
35.76874	-117.37523 San Bernardino
35.769	-117.37004 San Bernardino
35.793111	-117.369028 San Bernardino
35.76879	-117.37518 San Bernardino
35.768747	-117.372875 San Bernardino
35.7488	-117.39674 San Bernardino
35.784878	-117.363097 San Bernardino
34.50395	117.278356 San Bernardino
34.447061	-117.277189 San Bernardino
34.4476	-117.27708 San Bernardino
34.4476	-117.27708 San Bernardino
34.443742	-117.277672 San Bernardino
34.446944	-117.276944 San Bernardino
34.320215	-117.171615 San Bernardino
34.315538	-117.171977 San Bernardino
34.320921	-117.17237 San Bernardino
34.532992	-117.281815 San Bernardino
34.528858	-117.285133 San Bernardino
34.529003	-117.285122 San Bernardino
34.527873	-117.2849 San Bernardino
34.527873	-117.2849 San Bernardino
34.532992	-117.28181 San Bernardino
34.532992	-117.28181 San Bernardino
34.532992	-117.28181 San Bernardino
34.615235	-117.357211 San Bernardino
34.89455	-116.86305 San Bernardino
34.68946	-118.2366 Los Angeles
34.68946	-118.2366 Los Angeles
34.415431	-117.356994 San Bernardino
34.598333	117.271389 San Bernardino
34.48597	-117.26691 San Bernardino
34.483372	-117.263961 San Bernardino
34.631111	117.158889 San Bernardino
34.463056	-117.376667 San Bernardino
34.240047	-117.08475 San Bernardino
34.24038	-117.07309 San Bernardino
34.701667	117.455278 San Bernardino
34.473889	117.348889 San Bernardino
34.718611	117.354167 San Bernardino
34.575	117.375556 San Bernardino
34.696667	117.401667 San Bernardino
34.662222	-117.507222 San Bernardino
34.650278	-117.51 San Bernardino

[illegible]

At a sewer lateral cleanout near Building 62 on the Nebo Area of MCLB Barstow.

Spill was from manhole located in the storm drain catch basin at the Southern end of 35th Street West just South of Mour

On the W/S of Trona Road S/O Yucca Street. [s/o]83400 block

Spill location on Trona Road at the I/S of Verbina Street

C/O behind of 13209 Lupine Street

CSA 82 Trona California between D/S M/H#5 and U/S M/H #4 Broken 8 Truss sewer main 200' U/S of M/H #5

In easement N/O Alameda Street flow exited through M/H #2 Located between lots# 676 & 677.

13829 Carson Street, out of C/O on private property

In unimproved Alley Way E , W/O Telescope between Wildrose & Verbena

Sewer backed up and overflowed cleanout

Manhole E-7 was overflowing onto the dirt alley. Spill was contained at 40 gallons.

The spill was running out of a cleanout in the back yard of the house, It was contained in the area around the cleanout

Rural area west of Ridgecrest Drive and Yates Road, in the County of San Bernardino.

Three (3) manholes experienced a sewer overflow during a steady moderate rain event.

Four (4) manholes experienced a sewer overflow during a steady moderate rain event. (day five)

The spill occurred from manhole 73 and flowed in to roadway and adjacent flood control dry wash

spill occurred from manhole #68 & #69 and flowed along roadway and into flood control drywash

Spill occurred between MH5- 3 & MH5-4 located in the river, and flowed into the Mojave River.

584 feet from the manhole at CSA 64 metering station

Upper Narrows Temporary Bypass Site # 2, MH # 4, SAVI

UNE-Site#1 ,MH#3 CSA64 Interceptor Screening Manhoel upstream of pump station wet well

Dirt/field area, temporary bypass station.

Emergency Bypass Site # 2 SAVI MH # 4

Dirt Field, temporary bypass pumping station.

Dirt field, temporary bypass pumping station.

Bermed dirt area surrounding trailer.

concrete hardstand at NW corner of Building 571 of Yermo Annex, MCLB Barstow

See attached reports

600' W/O I/S- ON LINDERO ROAD, W/O SPRING VALLEY LAKE PARKWAY

The driver noticed the door leaking while he was sewer cleaning, and contained the spill and called for another camel to c  
890' U/S of Deerlick Sewer Lift Station, [32760 Hill Top Road] N/S of Hwy 18 [West bound]

The CSA collection system is located along the northern edge of Hwy 18, towards the eastern edge of Arrowbear town lim  
SEWER PUMPING STATION LOCATED ON FORESTRY LAND Behind 32965 Juniper Lane Green Valley Lake, CA N  
inside of the residence at 709 Oak Knoll Drive

Final City of Victorville owned sewer manhole; located before Victor Valley Wastewater Reclamation Authority owned me  
Sixth sewer manhole north of Bear Valley Rd. located on Locust Avenue.

Winona St. is an undeveloped dirt road east of 9th Ave.; this is the location of the SSO Manhole

Sewer easement east of Talpa Rd. (end of pavement) and west of Oro Grande Wash

SSO contained in sewer trench.

SSO occurred in street; however flow of effluents was to the adjacent Oro Grande Wash. SSO event was not witnessed b

nt Lassen

1  
1

1

1  
1  
1  
1  
2  
1  
1

lean the leaking raw sewage.

its, approximately 200' west of the I/S o  
D EXACT ADDRESS AVAILABLE

tering station #VSD-4

y reporting party or crew.



Manhole  
Other (specify)  
Gravity sewer  
Manhole  
Manhole  
Other (specify)  
Gravity sewer;Manhole  
Gravity sewer  
Manhole  
Other (specify)  
Other sewer system structure  
Manhole  
Other sewer system structure  
Manhole  
Gravity sewer  
Manhole  
Other (specify)  
Gravity sewer  
Lateral Clean Out (Private)  
Manhole  
Manhole  
Gravity sewer;Manhole  
Gravity sewer;Manhole  
Gravity sewer  
Manhole  
Gravity Mainline  
Force main or pressure sewer  
Force main or pressure sewer  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Pump station  
Manhole;Other sewer system structure  
Other sewer system structure  
Other sewer system structure  
Other sewer system structure  
Gravity sewer  
Gravity sewer  
Manhole  
Manhole  
Gravity sewer;Manhole  
Other (specify)  
Force main or pressure sewer  
Manhole  
Other sewer system structure  
Building or structure  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Manhole

sewer lateral cleanout

Sewerage spilled directly from manhole located within the stormwater catch basin due entirely to vandalism

M/H # 17 & M/H #18 BOTH WERE SEEPING OUT SEWAGE

Upstream [U/S] "wet" [point source] M/H is #C5 [GPS coordinates are N35.46.121/ W117.22.150 and The downstream [D  
Clean Out

Approximately 25-50 gallons of sewage appeared inside a sinkhole that was observed directly over the sewer line. This loc

13829 Carson Street, out of C/O on private property

Sewer Structure E-7

Cleanout

Sewer lateral clean out

Manhole E-7

NA

NA

sewer line under capacity of the storm event.No blockage in the line.

Wetted small area immediately around manhole.

SAVI MH4-A = 75 gallons spilled Apple Valley Metering Station = 277 gallons spilled

Air Relief Valve

Septic waste holding tank.

sewer lateral cleanout connection

M/H #2 SPILL POINT, M/H #1 D/S M/H

Vactor Truck had a bad door seal, the leak was through the dump door

CALTRANS broke 8 PVC Force Main while cleaning the side of HWY 18 during the Slide Fire.

SEWER PUMPING STATION WET WELL

inside of the residence at 709 Oak Knoll Drive

Existing sewer trench upon excavation

Unpaved surface  
Unpaved surface  
Storm drain;Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface;Other (specify below)  
Unpaved surface  
Unpaved surface  
Street/curb and gutter;Unpaved surface  
Other paved surface;Unpaved surface  
Unpaved surface  
Street/curb and gutter;Unpaved surface  
Street/curb and gutter  
Other (specify below)  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Storm drain;Unpaved surface  
Separate storm drain;Surface water  
Storm drain;Surface water  
Storm drain;Surface water  
Other paved surface;Separate storm drain;Street/curb and gutter;Unpaved surface;Other (specify below)  
Separate storm drain  
Other (specify below)  
Unpaved surface  
Other (specify below)  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Surface Water;Unpaved surface  
Unpaved surface  
Unpaved surface  
Other paved surface  
Beach;Separate storm drain;Unpaved surface  
Unpaved surface  
Other paved surface;Separate storm drain;Street/curb and gutter;Unpaved surface  
Other (specify below)  
Unpaved surface  
Street/curb and gutter  
Unpaved surface  
Surface water  
Surface water  
Other (specify below)  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Unpaved surface

The spill was contained within an earthen storm water catch basin  
On side W/S of Trona Road along edge, dirt, natural low spot.

spill seeped into sandy soil around Ring & Cover of C/O. Soaked into the soil & also some evapoartion occured.

Approximately 25-50 gallons of sewage appeared inside a sinkhole, then soaked into the surrounding sandy soil.

Spill soaked into soil

Sludge drying beds

Dirt and water vacuumed up and disposed of in sludge drying beds

Effluent flow from MH entered a dirt storm runoff channel. Flow was contained with temporary dirt berm using a loader. .

The overflow was mixed with rain water and entered a storm drain. The storm drain terminates at the Mojave River.

NA

The spill exited manhole 73 and flowed in to the roadway and in to the adjacent dry wash

Mojave River

contain to burm locations and absorb into ground

impervious concrete slab

OPEN CONCRETE CHANNEL

Soaked into soil

South Fork of Deep Creek

under the residence at 709 Oak Knoll Drive, sewage drainined through flooring and soaked into the soil in the buildings cr

Dirt Rd. & Oro Grande Wash (earthen wash)

Existing sewer trench upon excavation

The spill reached a dry earthen drainage channel (Oro Grande Wash.) Not a Surface Water.

6/4/2008 8:00	6/4/2008 10:00	6/4/2008 10:30	6/4/2008 16:00
8/20/2010 15:00	8/20/2010 15:10	8/20/2010 15:30	8/20/2010 0:40
10/12/2009 0:00	10/12/2009 14:30	10/12/2009 15:00	10/12/2009 15:45
12/21/2007 9:25	12/21/2007 9:25	12/21/2007 11:00	12/21/2007 14:12
12/23/2008 7:40	12/23/2008 7:40	12/23/2008 7:45	12/23/2008 8:30
1/31/2009 7:45	1/31/2009 7:45	1/31/2009 8:30	1/31/2009 9:00
12/30/2009 9:00	12/30/2009 9:30	12/30/2009 9:50	12/30/2009 9:40
4/14/2010 14:19	4/14/2010 14:19	4/14/2010 14:19	4/14/2010 14:19
9/27/2010 7:50	9/27/2010 7:50	9/27/2010 8:15	9/27/2010 12:15
12/8/2010 0:00	12/8/2010 13:33	12/8/2010 13:40	12/8/2010 14:30
1/11/2011 13:42	1/11/2011 13:42	1/11/2011 14:00	1/11/2011 14:30
1/26/2011 7:30	1/26/2011 7:30	1/26/2011 7:35	1/26/2011 8:00
2/5/2011 12:00	2/5/2011 12:00	2/5/2011 13:05	2/5/2011 13:15
3/8/2011 6:30	3/8/2011 6:30	3/8/2011 6:50	3/8/2011 7:15
8/17/2012 7:05	8/17/2012 7:35	8/17/2012 7:10	8/17/2012 8:50
1/23/2013 15:15	1/23/2013 15:15	1/23/2013 15:30	1/23/2013 15:35
2/7/2013 11:30	2/7/2013 11:30	2/7/2013 11:35	2/7/2013 11:50
7/31/2013 17:56	7/31/2013 20:30	7/31/2013 18:30	7/31/2013 18:35
3/4/2013 10:30	3/4/2013 10:55	3/4/2013 11:00	3/4/2013 14:00
12/25/2007 14:00	12/25/2007 15:05	12/25/2007 15:45	12/25/2007 17:20
12/15/2008 11:45	12/15/2008 12:15	12/15/2008 12:45	12/15/2008 13:00
1/20/2010 17:00	1/20/2010 17:20	1/20/2010 18:00	1/20/2010 22:00
1/21/2010 13:30	1/21/2010 13:30	1/21/2010 14:00	1/21/2010 16:30
12/7/2010 0:00	12/7/2010 18:57	12/7/2010 20:13	12/8/2010 0:34
12/22/2010 0:00	12/22/2010 7:00	12/22/2010 8:56	12/22/2010 12:30
12/25/2010 12:00	12/29/2010 13:30	12/29/2010 13:30	1/10/2011 13:35
12/31/2010 15:30	12/31/2010 16:45	12/31/2010 15:30	12/31/2010 15:35
1/9/2011 9:15	1/9/2011 12:36	1/9/2011 12:36	1/9/2011 14:25
8/30/2012 19:50	8/30/2012 20:01	8/30/2012 20:20	8/30/2012 20:03
10/12/2012 9:10	10/12/2012 9:42	10/12/2012 9:58	10/12/2012 9:12
10/17/2012 22:39	10/17/2012 22:40	10/17/2012 22:40	10/17/2012 22:40
10/26/2012 1:17	10/26/2012 1:21	10/26/2012 1:55	10/26/2012 1:18
11/7/2012 6:24	11/7/2012 6:24	11/7/2012 7:00	11/7/2012 6:24
5/18/2013 12:40	5/18/2013 12:40	5/18/2013 12:40	5/18/2013 12:42
9/11/2013 0:00	9/11/2013 10:45	9/11/2013 10:45	9/11/2013 10:45
10/22/2013 0:00	10/22/2013 6:00	10/22/2013 7:00	10/22/2013 6:00
11/8/2013 0:00	11/9/2013 8:09	11/9/2013 8:09	11/9/2013 8:10
9/11/2009 10:30	9/14/2009 11:25	9/11/2009 10:45	9/11/2009 11:00
2/4/2010 12:00	2/4/2010 12:10	2/4/2010 12:30	2/4/2010 14:00
4/16/2010 9:00	4/16/2010 9:00	4/16/2010 9:10	4/16/2010 10:00
1/29/2013 20:21	1/29/2013 21:54	1/30/2013 22:40	1/30/2013 22:40
12/3/2007 8:05	12/3/2007 8:20	12/3/2007 8:00	12/3/2007 0:00
12/31/2009 12:00	12/31/2009 12:05	12/31/2009 12:30	12/31/2009 14:30
5/8/2013 13:15	5/8/2013 13:15	5/8/2013 13:15	5/8/2013 13:30
10/28/2007 13:00	10/28/2007 13:00	10/28/2007 13:15	10/28/2007 13:15
2/26/2008 8:00	2/26/2008 8:00	2/26/2008 8:00	2/26/2008 10:52
12/22/2010 0:00	12/22/2010 4:40	12/22/2010 8:49	12/22/2010 8:49
11/25/2011 0:00	11/25/2011 12:31	11/25/2011 13:40	11/25/2011 14:00
11/23/2007 4:00	11/23/2007 7:30	11/23/2007 8:30	11/23/2007 5:42
4/24/2008 7:45	4/24/2008 7:45	4/24/2008 7:45	4/24/2008 8:15
6/11/2008 11:30	6/11/2008 11:30	6/11/2008 11:45	6/11/2008 14:30
8/25/2008 7:00	8/25/2008 7:45	8/25/2008 7:55	8/25/2008 8:10
10/14/2008 12:25	10/14/2008 12:26	10/14/2008 12:35	10/14/2008 13:30
10/8/2008 12:01	10/8/2008 12:03	10/8/2008 12:05	10/8/2008 12:15
11/11/2008 14:38	11/11/2008 14:42	11/11/2008 15:00	11/11/2008 15:05

Debris  
Debris-General  
Vandalism  
Debris  
Other (specify below)  
Debris-Rags  
Debris-Rags  
Pipe structural problem/failure  
Debris-General  
Debris-Rags  
Other (specify below)  
Other (specify below)  
Root intrusion  
Flow exceeded capacity (Separate CS Only)  
Debris-Rags  
Root intrusion  
Debris-General  
Debris-Rags  
Debris-General  
Vandalism  
Rainfall exceeded design (Separate CS Only)  
Rainfall exceeded design  
Rainfall exceeded design  
Other (specify below)  
Rainfall exceeded design (Separate CS Only)  
Other (specify below)  
Pipe structural problem/failure  
Debris-General  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Damage by Others Not Related to CS Construction/Maintenance (Specify Below)  
Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure  
Other (specify below)  
Debris-General  
Debris-Rags  
Debris-Rags  
Vandalism  
Other (specify below)  
Root intrusion  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Pump station failure  
Other (specify below)  
Vandalism  
Debris  
Vandalism  
Vandalism  
Vandalism  
Pipe structural problem/failure  
Debris-General

line blockage

4 ball  
paper towels-heavy duty type

8 Truss sewer pipe failure, Line was found collapsed.

The cause of the SSO was due to Root Intrusion that entered through pipe integrity issues, cracks in pipe & bad joints, als  
Vandalism: 2 soda cans were removed for the system. Debris: Heavy soap scum

The Trona Community Pool had a malfunctioning automatic water fill line. The mechanical shut off float device on the 4

Vandals unbolted manhole #10 and pushed boulders into it. Approximately 10 large rocks were recovered from the manh

NA

NA

High solids load deposited during bucket cleaning which lead to blockage of downstream influent pipe

The interceptor at issue is buried in the river bed and the point of failure is not visible nor accessible for inspection. A def

obstruction in downstream pipe

Prior to and during the SSO, Victorville and Apple Valley were experiencing a strong thunderstorm. The storm event cont  
Temporary bypass station pump malfunction.

Unusually high flow conditions reported by operator.

Operator reported unusually high flow conditions present, back up pump did not respond automatically as intended.

Primary pump ran out of gas. Secondary pump was malfunctioning (later determined to be air lines which had been pum  
Upper Narrow Emergency Temporary Bypass Pump Station - small pump valve failed.

High level float communication cable was severed. Back up pump did not automatically turn on due to lack of signal from

Toilet inside building malfunctioned and flow to septic tank exceeded capacity.

sewer lateral plugged with debris, overflowed at cleanout connection onto impervious concrete slab

Vandalism, rock and debris dumped into manholes

EROISION AROUND RING & COVER, EQUIPMENT HITTING RING KNOCKING IN DEBRIS INTO M/H

Leaking Vactor holding tank

CALTRANS equipment operator digging along side of Hwy 18 with a backhoe, broke the 8 PVC Force Main.

two objects were removed from the sewer line 1] cut sewer roots 8 dia. x 7' feet in length. 2] Recreational Vehicle-PVC  
RTU - FAILURE - SCADA

Roots & Debris

400+ feet of 3/8 rope; a steel cylinder tank (4.5 ft. long x 14 inches wide) & scrap plywood (18 x14 )

Contractor's (WLC Const. Inc.) earth grading equip. struck the sewer manhole cover; depositing dirt into the existing flow

Vandals removed dirt berm covering sewer manhole cover and removed cover to deposit debris into collection system.

Small crack on concrete sewer main. Pipe failure caused by a rock and construction debris pressed against pipe.

Unkown debris restricted flow in sewer main downstream from SSO MH #160

Main  
Upper Lateral  
Main

[illegible]

iole.  
Main  
Main  
Main  
Main  
Main  
Gravity Mainline  
Main  
Main  
Other (specify below)  
Main  
Main  
Main  
Main  
Other (specify below)  
Pump Station-Controls  
Other (specify below)  
Other (specify below)  
Upper Lateral  
Upper Lateral

Main

Other (specify below)

Main  
Other (specify below)  
Other (specify below)

Main  
Main  
Main



15' Feet U/S of M/H C-5

Gravity sewer at a slide with pipe diameter reduction and shallow manhole.  
NA

Upper Narrow Emergency temporary bypass at SAVI manhole #4.

Temporary bypass pumping Site # 1.

Upper Narrow Emergency Temporary Bypass Pump Station at SAVI MH # 4. Valve in pump piping failed.

Temporary Bypass Pipeline  
Building septic waste holding tank.

Door seal

RTU - FAILURE - SCADA CONTROL PANEL  
inside M/H #177B

NA

		8
		8 clay
		8 VCP
		8 VCP
		8 VCP
		8 Truss
		8 VCP
		8 VCP
		8 VCP
		8 VCP
		8 VCP
		8 VCP
		4
No		8 Clay
No		6 truss
		15 PVC
		10 PVC
		10 pvc
		10 pvc
		12 PVC
		10
Yes	Yes	36 clay
		15 PVC
No		
No		
No		
No		15 PVC
No		15 PVC
No		
No		
		6
		8
		8 PVC
		8 PVC
		10 truss
		8 RCP
		8 Truss
		36
		12 VCP
		8 PVC
		8 Concrete
		8 VCP

10  
30  
30  
39

40  
40  
40  
40  
40  
40  
40

300  
300  
25  
25  
30  
30  
14

31

372

20

30  
30  
38  
40

85  
40



Caraway Construction Crew, Emergency Sewer Response Provider [ESRP] arrived at 11:00am, observed M/H #17 & M/H #18. On Tuesday, December 23, 2008, at 7:40am the County of San Bernardino, Water & Sanitation Division was notified of a SSO. The SSO had stopped by the time first responder arrived on scene. Clean up scheduled, in addition Division crews have been

The City of Victorville crew was notified of spill at 1438 and determined the SSO was from a VVWRA manhole and notified the City of Victorville. Spill occurred due to high volume of rain water entering sewer interceptor upstream.

NA

NA

No recovery

Set up 2 interceptor bypasses and plugged the damaged interceptor to eliminate spill. These bypasses will be ongoing until the main is repaired. Post signs to alert public

N/A

Decanted camel tank top sewer, dumped rest of recovered water and trash at VVWRA at VVWRA. CALTRANS equipment operator notified the Arrowbear Water Company [ABWC], ABWC responded, contained spill, was

Replaced RTU switch Adjusted SCADA Adjusted Back-up High Level Float

Clean up to be conducted by Property Owner

No overflow condition existed at the time of discovery; only evidence of wet soil and debris was detected. Debris was cleared

MH cover was opened by unknown party, debris (furniture, carpets, 1/4" air hose, etc.) was deposited into the MH and the area affected by SSO was tapped off with delineators and caution tape. Vacuum trucks vacuumed approx. 85% of puddled water. The sewer main was NOT inspected w/CCTV as there was no need to determine cause; however I am not able to deselect the camera. Mitch Tucker observed water running on a vacant lot, on First Street between "C" & "D" Streets, on Oct 8, 2008. Mitch Tucker arrived to the location at 3:00 p.m. and found the manhole at the wash surcharged but not actively overflowing.

10/13/2009 7:00

3/8/2011 7:15

12/26/2007 12:45  
12/15/2008 13:00  
1/21/2010 12:00  
1/22/2010 12:00  
12/8/2010 11:00  
12/22/2010 12:30  
1/15/2011 12:00  
12/31/2010 17:30  
1/9/2011 14:25

9/16/2013 0:00

2/4/2010 14:45

2/1/2013 17:00  
12/3/2007 14:00

2/26/2008 18:00  
12/22/2010 0:00

11/26/2007 13:00

6/18/2008 15:00  
8/27/2008 10:00  
10/15/2008 15:00

11/12/2008 15:00

Added sewer to preventive maintenance program

Other (specify below)

Other (specify below)

Plan rehabilitation or replacement of sewer

Plan rehabilitation or replacement of sewer

Plan rehabilitation or replacement of sewer

Plan rehabilitation or replacement of sewer

Plan rehabilitation or replacement of sewer

Inspected Sewer Using CCTV to Determine Cause;Other (specify below);Plan rehabilitation or replacement of sewer

Other (specify below)

Other (specify below)

Plan rehabilitation or replacement of sewer;Repaired Facilities or Replaced Defect

Repaired sewer

Other (specify below)

Added sewer to preventive maintenance program;Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance;Other (specify below)

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Other (specify below)

Repaired sewer

Adjusted schedule/method of preventive maintenance

The Community Pool has replaced their faulty automatic fill valves. The Community Pool must now protect their floor dra

The two manholes involved with this spill have bolt down lids. The screws were in place at time of staff's arrival. A new s

NA

NA

Set up 2 interceptor bypasses and plugged the damaged interceptor to eliminate spill. These bypasses will be ongoing un

Posted signs for public and cleaned up spill area

Crew disinfected, posted public warning signs and flow contained

Cleared sewer of debris (rocks ) that had been dumped into sewer. Installed locking devices on manhole. Pumped water r  
RESET M/H RING & COVER IN CONCRETE

Enforcement action against upstream tributary private collection system.

Replaced RTU switch Adjusted SCADA Adjusted Back-up High Level Float

Secured all sewer manholes in drainage easements. Assigned maintenance personnel to inspect sewer easements on a r

Sanitary Div. crew removed the debris and cleaned & disinfected the affected areas.

Installed Locking Manhole Frame & Cover and Buried Manhole w/Soil

Installed new locking manhole frame & cover & covered manhole w/10 tons of dirt.

Will include additional preventive maintenance footage in this portion of the sewer collection system to incorporate the bl



No

No

No

No

No

No

Yes

Yes

Yes

No

No

The i

No

No

No

No

Yes

Yes

No

No

No

No

No

No receiving water was present

N/A

n/a

N/A

N/A

N/A

N/A

No known receiving water was impacted from this spill.

The receiving water was experiencing storm water inflow from various drainage channels at the time of this SSO. No visible impacts observed.

No visual impacts observed.

NO receiving water was impacted

Not applicable.

spill did not migrate from impervious concrete slab, no impact to water or soil

CLEAN

N/A

N/A

N/A

No receiving water in earthen drainage channel as the Oro Grande Wash was dry at the time of SSO.

NA

NA

No

No

Yes  
No  
Yes  
Yes  
Yes  
No  
Yes  
Yes  
Yes

No

No

No

No

No  
No

No  
No

No

Yes  
No  
No

No

None

N/A  
N/A

NA  
NA  
NA  
NA  
NONE

N/A

Not applicable.

NA

250 gallons of water at 5% Hypochlorite

N/A

N/A  
N/A  
N/A  
N/A

N/A  
N/A  
NA

NA

None

N/A  
N/A

None  
None  
Not Applicable

NA  
Mojave River  
Mojave River  
Mojave River  
NONE  
Mojave river  
Mojave River  
not applicable  
not applicable  
Not applicable.  
Not applicable.

Desert Knolls Wash (to Mojave River)

N/A

None  
N/A

South Fork of Deep Creek [ tributary to Deep Creek]  
Green Valley Creek  
N/A  
N/A

N/A  
N/A  
NA

Not Applicable-No Surface Water Affected

The spill reached the Oro Grande Wash - The Oro Grande Wash was a dry earthen drainage channel during this event. N

No water quality samples taken

No water quality samples taken

Not applicable to this spill

Biological indicator(s) - specify below

No water quality samples taken

Biological indicator(s) - specify below

Not applicable to this spill

Biological indicator(s) - specify below

Dissolved oxygen;Other chemical indicator(s) - specify below;Biological indicator(s) - specify below;Other (specify below)

Not applicable to this spill

Other (specify below)

Not applicable to this spill

No water quality samples taken

Not applicable to this spill

No water quality samples taken

Biological indicator(s) - specify below

No water quality samples taken;Not applicable to this spill

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

No water quality samples taken

Tota Coliform Bacteria, pH, and Electrical Conductivity.

Coliform, Total & Fecal, BOD, COD, TSS, and TDS, pH & conductivity

Biological Oxygen Demand (BOD)

Water quality samples were collected and analyzed for all parameters listed under the current board order for final effluer

no sample available - discharged into the ground

N/A

1] FECAL COLIFORMS 2] FECAL STREPTOCOCUS

N/A

N/A

NA

None of the above

None of the above

Not applicable to this spill  
Regional Water Quality Control Board  
No water quality samples taken  
Regional Water Quality Control Board  
None of the above  
Regional Water Quality Control Board  
Regional Water Quality Control Board  
None of the above  
Not applicable to this spill

No water quality samples taken

Regional Water Quality Control Board

None of the above  
None of the above

County Health Agency;Regional Water Quality Control Board  
None of the above

None of the above

None of the above  
None of the above  
None of the above

None of the above



NA  
NA

not applicable

N/A

N/A

N/A

NA

Estimate from diameter of wet spot around MH. Spill Intermittent.

Estimated size and depth of contained sewage, figured out cubic feet, and multiplied by 7.48 gallons per cubic foot.

See attached report entitled Spill Assessment Report in Response to Investigative Order No. R6V-2011-007 for detailed

Calculated from wetted surface area measurements.

Calculated from measurement of affected surface area and depth.

Calculated from measurement of the affected surface area and depth.

Estimated from area/depth of the location impacted and comparison to amount contained from spill.

Areas and depths of locations impacted by the spill were measured and volume calculated.

Calculated from affected surface area and depth measurements.

Calculated from measurement of surface area containing the spill.

96942	10/14/2009 8:47
77847	12/21/2007 15:03
89124	12/24/2008 13:41
91097	2/7/2009 11:02
98636	12/30/2009 14:20
102371	4/14/2010 17:00
105801	9/27/2010 16:56
107379	12/8/2010 17:35
110203	1/11/2011 16:20
110524	1/26/2011 16:10
110727	2/5/2011 17:16
111399	3/8/2011 10:15
124876	8/17/2012 11:21

77928	12/26/2007 12:30
88924	12/15/2008 13:35
100494	1/20/2010 18:30
100541	1/21/2010 15:00
107360	12/7/2010 23:03
107748	12/22/2010 9:00
107957	12/29/2010 14:11
107995	12/31/2010 15:14
110155	1/9/2011 13:55

135718	9/11/2013 12:46
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130622	1/30/2013 0:30
77454	12/3/2007 10:11
98657	12/31/2009 17:10
132768	5/8/2013 14:00
76600	10/28/2007 15:00
81605	2/26/2008 10:06
107764	12/22/2010 11:11
117068	11/29/2011 10:50
77255	11/23/2007 17:00

84174	6/11/2008 18:55
86175	8/25/2008 10:23
87424	10/14/2008 15:37
87294	10/8/2008 13:15
88144	11/12/2008 15:16

Jay Baldwin  
James Baldwin

7609621517  
7609621517

Gina Cloutier

7.60247E+12

Gina Cloutier Lab/Environmental Compliance Supervisor  
Gina Cloutier, Laboratory/Environmental Compliance Supervisor  
Gina Cloutier, Laboratory / Environmental Compliance Supervisor  
Gina Cloutier Lab/EC Superviso  
Gina Cloutier Lab/EC Supervisor  
Gina Cloutier  
Gina Cloutier, Laboratory/Environmental Compliance Supervisor

7.60247E+12  
7.60247E+12  
7607011027  
7.60247E+12  
7.60247E+12  
7.60247E+12  
7.60247E+12

6SSO11425	Active	731551 Joe Flores	Certified
6SSO11425	Active	737559 Joseph P. Flores	Certified
6SSO11425	Active	745298 Joseph Flores	Certified
6SSO11425	Active	746891 Joseph P. Flores	Certified
6SSO11425	Active	750943 Joseph P. Flores	Certified
6SSO11425	Active	756525 Joseph Flores	Certified
6SSO11425	Active	757774 Joseph Flores	Certified
6SSO11425	Active	765740 Joseph Flores	Certified
6SSO11425	Active	768437 Joseph Flores	Certified
6SSO11425	Active	769936 Joseph Flores	Certified
6SSO11425	Active	773941 Joseph P Flores	Certified
6SSO11425	Active	776936 Joseph P Flores	Certified
6SSO11425	Active	782068 Joseph P Flores	Certified
6SSO11425	Active	785072 Joseph Flores	Certified
6SSO11425	Active	800757 Joseph Flores	Certified
6SSO11427	Active	707130 Scott Priestler	Certified
6SSO11427	Active	707131 Scott Priestler	Certified
6SSO11427	Active	740971 Scott Priestler	Certified
6SSO11427	Active	748725 Scott Priestler	Certified
6SSO11427	Active	749042 Scott Priestler	Certified
6SSO11427	Active	756219 Scott Priestler	Certified
6SSO11427	Active	760207 Scott Priestler	Certified
6SSO11427	Active	761718 Scott Priestler	Certified
6SSO11427	Active	775759 Scott Priestler	Certified
6SSO11427	Active	781840 Scott Priestler	Certified
6SSO11489	Active	707910 Dennis Cron	Certified
6SSO11489	Active	707913 Dennis Cron	Certified
6SSO11489	Active	711446 Dennis Cron	Certified
6SSO11489	Active	711594 Dennis Cron	Certified
6SSO11489	Active	714297 Dennis Cron	Certified
6SSO11489	Active	717830 Dennis Cron	Certified
6SSO11489	Active	731332 Dennis Cron	Certified
6SSO11489	Active	746100 Dennis Cron	Certified
6SSO11489	Active	746430 Dennis Cron	Certified
6SSO11489	Active	749388 Dennis Cron	Certified
6SSO11489	Active	754093 Dennis Cron	Certified
6SSO11489	Active	800518	Ready To Certify
6SSO11489	Active	800522 Lance Miller	Certified
6SSO11493	Active	786012 David Harich	Certified
6SSO11523	Active	761083 Mark DuPont	Certified
6SSO11523	Active	767644 Mark DuPont	Certified
6SSO11523	Active	792125 Mark DuPont SR.	Certified
6SSO11523	Active	797691 Mark DuPont SR	Certified
6SSO14497	Active	761370 John W. Bracken	Certified
6SSO14497	Active	764988 John W. Bracken	Certified
6SSO14497	Active	764989 John W. Bracken	Certified
6SSO14497	Active	764999 John W. Bracken	Certified
6SSO14497	Active	765000 John W. Bracken	Certified
6SSO14497	Active	765001 John W. Bracken	Certified
6SSO14497	Active	770045 John W. Bracken	Certified
6SSO14497	Active	770046 John W. bracken	Certified
6SSO14497	Active	771760 John W. Bracken	Certified
6SSO14497	Active	782034 John W. Bracken	Certified
6SSO14497	Active	782035 John W. Bracken	Certified
6SSO14497	Active	785171 John W. Bracken	Certified

Public Works Manager  
Public Works Manager  
Public Works Manager  
Public Works Manager  
Public Works Manager  
Public Works Manager  
Public Works Manager  
Public Works Manager  
Public Works Manager  
Public Works Manager  
Public Works Manager  
Public Works Manager  
Public Works Manager  
Public Works Manager  
Public Works Manager  
Director of Development Services  
Director of Development Services  
Director of Development Services  
Director of Development Services  
Director of Development Services  
Director of Development Services  
Director of Development Services  
Director of Development Services  
Director of Development Services  
Director of Public Services  
Director of Public Services  
Director of Public Services  
Director of Public Services  
Director of Public Services  
Assistant Town Manager  
Asst Town Manager  
Asst Town Manager  
Asst Town Manager  
Asst. Town manager  
Asst Town Manager

Public Works Manager  
General Manager  
Park Maintenance Chief I  
Park Maintenance Chief I  
Park Maintenance Chief 1 (LRO)  
Park Maintenance Chief I (LRO)  
Chief Plant Operator  
Chief Plant Operator  
Chief Plant Operator  
Chief Plant Operator  
Chief Plant Operator  
Chief Plant operator  
Chief Plant Operator  
Chief Plant Operator  
Chief Plant Operator  
Chief Plant Operator  
Chief Plant Operator

Victorville	862300
City of Victorville	960840
City of Victorville	574184
City of Victorville	819707
City of Victorville	481454
City of Victorville	528246
City of Victorville	756502
Victorville	680327
City of Victorville	987463
City of Victorville	656392
Victorville CA	462527
Victorville CA	388528
Victorville CA	649769
City of Victorville	352914
City of Victorville	729923
City of Hesperia	945094
City of Hesperia	427050
City of Hesperia	967229
Hesperia, Ca.	792122
Hesperia, Ca.	917871
City of Hesperia	805953
Hesperia, Ca.	491095
Hesperia, Ca.	638270
Hesperia, Ca.	917953
Hesperia, Ca.	220430
Town Hall	930348
Apple Valley Town Hall	244751
Apple Valley, Ca.	637466
Apple Valley, Ca.	407274
Apple Valley	795860
10:51am	528198
Apple Valley	870684
Apple Valley	418813
Apple Valley	190857
Apple Valley	879776
Apple Valley	673512

16:09 156725

Arrowbear Lake	478171
Silverwood Lake SRA	930061
Silverwood Lake SRA	184022
Silverwood Lake State Recreation Area, 14651 Cedar Circle Hesperia, CA., 92345	457961
Silverwood Lake State Recreation Area , 14651 Cedar Circle, Hesperia CA,92345	799805
Ridgecrest	477575
WWTF-Ridgecrest	876339
WWTF-Ridgecrest	538557
WWTF Ridgecrest	734733
WWTF-Ridgecrest	404505
WWTF-Ridgecrest	914438
WWTF	120118
WWTF- Ridgecrest	917877
WWTF- Ridgecrest	743825
WWTF Ridgecrest	579036
WWTF Ridgecrest	471812
WWTF- Ridgecrest	681886

7-Jan-09		8-Jan-09	1/8/2009
18-May-09		21-May-09	5/21/2009
1-Oct-09		6-Oct-09	10/6/2009
19-Nov-09		15-Dec-09	12/15/2009
23-Mar-10		27-Apr-10	4/27/2010
1-Sep-10	9/1/2010	22-Sep-10	9/22/2010
14-Oct-10	10/14/2010	25-Oct-10	10/25/2010
25-Apr-11	4/25/2011	31-Jul-13	7/31/2013
13-Jul-11	7/15/2011	15-Jul-11	8/10/2011
17-Aug-11	8/18/2011	18-Aug-11	8/18/2011
12-Dec-11	12/12/2011	5-Jul-12	7/5/2012
7-Feb-12	2/7/2012	5-Jul-12	7/5/2012
11-Jun-12	6/11/2012	5-Jul-12	7/5/2012
13-Aug-12	8/13/2012	13-Aug-12	8/13/2012
14-Nov-13	11/14/2013	25-Nov-13	11/26/2013
2-Nov-07		2-Nov-07	11/2/2007
2-Nov-07		6-Nov-07	11/6/2007
13-Jul-09		22-Jul-09	7/22/2009
22-Jan-10		3-Feb-10	2/3/2010
2-Feb-10		8-Feb-10	2/8/2010
20-Aug-10	8/20/2010	23-Aug-10	8/23/2010
5-Jan-11	1/5/2011	6-Jan-11	1/6/2011
24-Jan-11	1/24/2011	26-Jan-11	1/26/2011
11-Jan-12	1/11/2012	11-Jan-12	1/11/2012
4-Jun-12	6/4/2012	4-Jun-12	6/4/2012
20-Nov-07		20-Nov-07	11/20/2007
20-Nov-07		20-Nov-07	11/20/2007
18-Jan-08		23-Jan-08	1/23/2008
23-Jan-08		23-Jan-08	1/23/2008
29-Feb-08		29-Feb-08	2/29/2008
22-May-08		22-May-08	2/1/2011
2-Jan-09		2-Jan-09	1/5/2011
26-Oct-09		5-Jan-11	1/5/2011
2-Nov-09		16-Nov-09	1/5/2011
16-Feb-10		5-Jan-11	1/5/2011
29-Jun-10	6/29/2010	5-Jan-11	1/5/2011
5-Nov-13	11/5/2013		
5-Nov-13	11/5/2013	5-Nov-13	11/5/2013
10-Sep-12	9/10/2012	10-Sep-12	9/10/2012
12-Jan-11	1/12/2011	12-Jan-11	1/12/2011
20-Jun-11	6/20/2011	20-Jun-11	6/20/2011
26-Feb-13	2/26/2013	26-Feb-13	2/26/2013
8-Aug-13	8/8/2013	8-Aug-13	8/8/2013
19-Jan-11	1/19/2011	19-Jan-11	1/19/2011
31-Mar-11	3/31/2011	31-Mar-11	3/31/2011
31-Mar-11	3/31/2011	31-Mar-11	3/31/2011
31-Mar-11	3/31/2011	31-Mar-11	2/14/2012
31-Mar-11	3/31/2011	31-Mar-11	3/31/2011
31-Mar-11	3/31/2011	31-Mar-11	3/31/2011
22-Aug-11	8/22/2011	22-Aug-11	8/22/2011
22-Aug-11	8/22/2011	22-Aug-11	8/22/2011
5-Oct-11	10/5/2011	5-Oct-11	10/5/2011
8-Jun-12	6/8/2012	8-Jun-12	6/8/2012
8-Jun-12	6/8/2012	8-Jun-12	6/8/2012
15-Aug-12	8/15/2012	15-Aug-12	8/15/2012



Category 1		500	500
Category 1		1500	82500
Category 3		265	100
Category 3		450	225
Category 2		6372	500
Category 2		1700	300
Category 3		950	300
Category 1		4500	1000
Category 2		6732	0
Category 1		3000	500
Category 1		4500	1500
Category 1		13500	500
Category 2		61500	8200
Category 3		200	75
Category 2	3750	3750	300
Category 1		2000	0
Category 1		7440	2000
Category 3		300	200
Category 1		15000	0
Category 3		120	120
Category 2		731772	720795
Category 3		142	142
Category 1		1250	1000
Category 3		300	150
Category 1		600	550
Category 3		20	0
Category 3		880	0
Category 3		50	50
Category 3		884	0
Category 3		100	
Category 2		12864	1500
Category 3		100	0
Category 1		20000	0
Category 1		7500	1800
Category 3		50	0
Category 3		100	100
Category 3	225	225	75
Category 3	225	225	75
Category 3		300	0
Category 3		35	0
Category 3		20	20
Category 1		42	0
Category 1		500	4
Category 3		200	195
Category 3		200	200
Category 3		240	240
Category 3		300	200
Category 1		450	400
Category 3		500	500
Category 3		100	100
Category 3		75	75
Category 3		100	75
Category 3		120	100
Category 3		100	0
Category 3		600	400

500 Yes	No
500 Yes	Yes
0 Yes	No
0 No	No
0 No	No
0 No	Yes
0 No	No
3000 No	Yes
0 No	No
2500 Yes	Yes
3000 Yes	Yes
13000 Yes	Yes
0 No	Yes
0 No	No
0 No	No
2000 No	Yes
5440 Yes	No
0 No	No
15000 Yes	Yes
0 No	No
0 No	No
0 No	No
250 Yes	No
0 No	No
50 Yes	Yes
No	No
No	No
No	No
No	No
No	No
0 No	No
0 No	Yes
20000 Yes	No
5700 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
42 No	No
496 No	No
0 No	No
0 No	No
0 No	No
0 No	No
50 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No



Alpine Circle  
Petaluma Rd.  
Park Avenue, South of Bonanza Rd.  
South of Chalon Rd. in dirt area / West of Hesperia Rd.  
15691 First Street  
Victor St. Sewer Atlas - Pg. Z-39, MH 104  
Locust Ave. - VSD - MH # 127 Latitude: 34.48335 Longitude: -117.33425  
14907 South Mojave Dr.  
Future Extension of Tawney Ridge Lane  
Sewer Easement, 1st St., South of C St.  
Intersection of Navarro Dr. & Hughes Rd.  
Escala Dr. & Lido Cir.  
Eighth Ave. btween Ottawa St. & Choctaw St.  
Cazadero Rd., 480 ft., South of Puesta Del Sol Dr.  
Intersection of Pacoima Rd. & Dahlia Dr., Victorville CA  
8809 C AVE  
Sultana w/of Marble  
Hickory and Mauna Loa  
I ave s/of E ave  
City of Hesperia  
Mauna Loa and Fourth  
Maple AVE n/of Sunset ST  
Easement S/of Main and E/of Aqueduct  
First Ave  
Mojave w/of I Ave  
JR 1007  
Siphon 102807  
Intersection of Ivanpah Road and Monterey Road  
Outer hwy 18 North and Tao Road  
ADA3#2 lift station  
Jess Ranch Marketplace phase 3  
Outer Highway 18 North and Corwin Road  
AD3A#2 sewer lift station  
Lift Station AD3A#2  
19146 Pine Way  
Jess Ranch Pkwy and Oak St.  
18343 Outer 18 South Easement  
18343 Outer Hwy18 South  
Fern Drive  
Cleghorn Manhole  
Silverwood Lake State Recreation Area  
Silverwood Lake State Recreation Area, Lift Station #4  
Silverwood Lake State Recreation Area Lift Station # 2 14651 Cedar Circle Hesper  
700 W. Church St.  
700 block West church st.  
Kendall/Wildthorn  
700 block n. Gold Canyon  
1400 N. Norma Street  
900 S. Downs  
Sand Dune/Palm  
525 W. Wilson  
900 S. Downs  
236 Drummond Ct.  
318 s. county Line rd  
700 N. Gold Canyon

34.613056	117.094167 San Bernardino
34.613333	-117.400833 San Bernardino
34.50317	-117.32641 San Bernardino
34.50461	-117.29953 San Bernardino
34.539167	-117.298333 San Bernardino
34.52342	-117.30792 San Bernardino
34.48335	-117.33425 San Bernardino
34.52466	-117.26807 San Bernardino
34.5464	-117.30766 San Bernardino
34.53904	-117.29885 San Bernardino
34.51092	-117.30281 San Bernardino
34.48276	-117.29264 San Bernardino
34.49142	-117.31909 San Bernardino
34.54223	-117.31871 San Bernardino
34.49138	-117.35554 San Bernardino
34.41125	117.298889 San Bernardino
34.419525	117.355306 San Bernardino
34.419525	-117.3553 San Bernardino
34.41125	-117.29888 San Bernardino
34.41125	-117.29888 San Bernardino
34.41125	-117.29888 San Bernardino
34.41125	-117.29888 San Bernardino
34.41125	-117.29888 San Bernardino
34.41125	-117.29888 San Bernardino
34.41125	-117.29888 San Bernardino
34.463056	117.244722 San Bernardino
34.537222	117.277222 San Bernardino
34.490842	117.248453 San Bernardino
34.537214	117.248997 San Bernardino
34.524017	117.271658 San Bernardino
34.470567	-117.249033 San Bernardino
34.54	-117.2625 San Bernardino
34.52359	-117.2718 San Bernardino
34.524089	-117.2712 San Bernardino
34.650833	-117.445556 San Bernardino
34.654722	-117.253333 San Bernardino
34.543056	-117.268889 San Bernardino
34.539283	-117.263495 San Bernardino
34.208611	-117.085 San Bernardino
34.286644	-117.353522 San Bernardino
34.286994	-117.353761 San Bernardino
34.287308	-117.353331 San Bernardino
34.280183	-117.3387 San Bernardino
35.61911	-117.68364 Kern
35.61911	-117.68364 Kern
35.62246	-117.6709 Kern
35.616667	-117.6584 Kern
35.6467	-117.67791 Kern
35.63736	-117.6875 Kern
35.616667	-117.658904 Kern
35.61704	-117.666667 Kern
35.63736	-117.6875 Kern
35.633333	-117.666667 Kern
35.61848	-117.63439 Kern
35.62912	-117.65841 Kern

[illegible]

SSO occurred from the sewer manhole (City Sewer Atlas: page-T48, MH # 102) located at the north end of Alpine Circle, Petaluma Rd., Approximately 500 ft. North of Mall Blvd.  
Paved Street  
South of Chalon Rd. in dirt area / West of Hesperia Rd. MH # AA-42-131  
Private Property

Sewer easement between 1st and 2nd Sts. and between C and D Sts.  
Sewer MH - Victorville Sewer Atlas Book 2, Pg. AA41, MH#133  
Sewer MH in the intersection of paved streets - Escala Dr. & Lido Circle  
Three spill locations occurred during this one SSO event. The actual blockage was located approx. 5 ft in the outlet pipe c  
City Sewer Atlas Book 2, Pg. Y35, lists the SSO manhole as MH # 155. City GIS lists the SSO manhole as MH #192  
City GIS Sys. sewer MH#100 & MH#108, on Pacoima Rd. @ the intersection of Dahlia Rd. MH#100 & MH#108 are separ  
On private property spill was a result of a down stream contruction debris and gease blockage.

#### Manhole

Approx. 200 feet south of Bear Valley Road  
Manhole on Corwin Road approx. 20 feet North of Highway 18.  
A municipal sewer lift station facility and neighboring private property, located adjacent to the Mojave River bed.  
Town sewer lift station

#### Easement in rear of address

Blocked Sewer main backed up into house lateral approx 60' upstream from Manhole #33  
manhole that is .13 miles east of hwy 138 and cleghorn offramp  
Manhole 500 linear feet north of north end of west loop of New Mesa Campground  
the suspected spill location is on Cleghorn rd about 250 linear ft. south of where it intersects with the Pacific Crest Trail gc  
Lift station 2 is located in the lower Willows day use area just northeast of parking lot 3 on sawpit rd. All located within Silv  
Manhole  
Man/hole  
Man hole located intersection Kendall Ave/ Wildthorn  
Man Hole located in desert  
Man hole located in intersection of Norma & Graff

M/H intersection of Palm and Sanddune  
M/H  
Man Hole  
Man Hole  
Man Hole  
Manhole located in desert area

a cul-de-sac.

of MH #102. MH #102 is in the paved str

2

1  
1

ing north from Sawpit Canyon Rd. abou  
erwood lake SRA



Manhole  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Other (specify)  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Other (specify)  
Other (specify)  
Manhole  
Manhole  
Manhole  
Manhole  
Pump station  
Force main or pressure sewer  
Manhole  
Pump station  
Pump station  
Gravity sewer  
Gravity sewer;Manhole  
Lateral Clean Out (Private)  
Lateral Clean Out (Private)  
Building or structure  
Gravity sewer  
Manhole  
Gravity sewer;Manhole  
Combined sewer D.I.  
Manhole  
Manhole  
Manhole  
Gravity sewer;Manhole  
Manhole  
Gravity sewer;Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole

City GIS Sys. sewer MH#100 & MH#108, on Pacoima Rd. @ the intersection of Dahlia Rd. MH#100 & MH#108 are separ

Lateral cleanout at property

Sewer Lateral  
Sewer lateral cleanout

Sewer house lateral inside house basement buildup leaking

This spill is only suspected from the lift station wet well cover. did not see sewage,only evidece (slight erosion around this

Roots,Grease

Other paved surface;Street/curb and gutter  
Unpaved surface  
Street/curb and gutter;Unpaved surface  
Unpaved surface  
Unpaved surface  
Other paved surface  
Street/curb and gutter  
Other paved surface;Separate storm drain;Street/curb and gutter  
Unpaved surface  
Separate storm drain;Street/curb and gutter;Unpaved surface  
Street/curb and gutter;Unpaved surface;Other (specify below)  
Street/curb and gutter;Unpaved surface  
Separate storm drain;Street/curb and gutter;Unpaved surface  
Unpaved surface  
Street/Curb and Gutter;Unpaved surface  
Other (specify below)  
Other (specify below)  
Unpaved surface  
Surface water  
Street/curb and gutter  
Other paved surface;Unpaved surface  
Other paved surface  
Other paved surface;Unpaved surface  
Street/curb and gutter  
Unpaved surface  
Other paved surface  
Unpaved surface  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Other (specify below)  
Separate storm drain  
Other (specify below)  
Unpaved surface  
Unpaved surface  
Other paved surface;Street/curb and gutter;Unpaved surface  
Paved Surface;Unpaved surface  
Paved Surface;Unpaved surface  
Building or structure  
Other paved surface  
Other paved surface  
Unpaved surface  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Unpaved surface  
Unpaved surface

SSO material was contained in a concrete drainage channel  
Dry wash bed

Vacant lot-soil/weeds

N/A

Dry Wash

Road Shoulder

Storm drain seepage pit on private property.  
Contained at a natural wash

Contained within excavation  
Volume was insufficient to exit at downstream storm drain exit (approximately 600 feet away)  
Unpaved surface adjacent to pump station facility, located adjacent to the Mojave River.  
Mojave River bed - spill percolated into surface prior to contact with standing surface water

sewage recovered in vacuum truck and returned to sewer system.

Sewer house lateral leaking into basement buildup area of vacant cabin contained inside house  
This spill exited from sewer at a manhole and onto a paved bike path went east onto a park paved road. Only found feminine  
Spill ended up on flat area of bike path (paved)  
The evidence of any sign of being wet disappeared into the sand about 20 feet north of the wet well. No sewage on the ground  
The spill (mostly water determined by no residual) was absorbed into the ground at the lift station

12/30/2008 14:00	12/30/2008 14:02	12/30/2008 14:10	12/30/2008 20:00
5/4/2009 11:30	5/4/2009 11:33	5/4/2009 11:45	5/4/2009 11:50
9/30/2009 17:30	9/30/2009 17:37	9/30/2009 17:50	9/30/2009 18:30
11/18/2009 14:45	11/18/2009 14:45	11/18/2009 14:55	11/18/2009 15:08
3/23/2010 7:00	3/23/2010 11:40	3/23/2010 11:50	3/23/2010 12:50
8/31/2010 16:40	8/31/2010 16:40	8/31/2010 17:00	8/31/2010 18:00
10/14/2010 10:27	10/14/2010 10:30	10/14/2010 11:00	10/14/2010 11:05
3/24/2011 12:15	3/24/2011 12:20	3/24/2011 12:30	3/24/2011 13:00
6/30/2011 18:00	6/30/2011 20:55	6/30/2011 21:15	6/30/2011 23:10
8/1/2011 6:00	8/1/2011 11:19	8/1/2011 11:27	8/1/2011 12:45
11/8/2011 0:00	11/8/2011 8:32	11/8/2011 8:59	11/8/2011 9:15
2/2/2012 0:00	2/3/2012 16:15	2/3/2012 17:45	2/3/2012 17:50
5/9/2012 0:00	5/9/2012 9:00	5/9/2012 10:05	5/9/2012 13:00
8/3/2012 14:30	8/3/2012 14:45	8/3/2012 15:15	8/3/2012 15:25
11/11/2013 9:05	11/11/2013 9:15	11/11/2013 9:45	11/11/2013 9:25
10/20/2007 16:00	10/20/2007 16:00	10/20/2007 16:30	10/20/2007 18:00
10/29/2007 21:30	10/29/2007 21:30	10/29/2007 21:45	10/29/2007 22:45
7/9/2009 10:15	7/9/2009 10:15	7/9/2009 10:15	7/9/2009 10:17
1/21/2010 13:30	1/21/2010 13:30	1/21/2010 13:55	1/21/2010 16:00
1/29/2010 23:23	1/29/2010 23:30	1/30/2010 0:00	1/30/2010 1:25
8/17/2010 12:39	8/17/2010 12:39	8/17/2010 12:50	8/17/2010 17:48
1/4/2011 8:10	1/4/2011 8:10	1/4/2011 8:25	1/4/2011 8:43
1/24/2011 7:40	1/24/2011 7:40	1/24/2011 7:40	1/24/2011 8:30
1/9/2012 10:15	1/9/2012 10:15	1/9/2012 10:30	1/9/2012 11:30
6/4/2012 0:00	6/4/2012 9:49	6/4/2012 9:56	6/4/2012 10:29
10/12/2007 14:35	10/12/2007 14:45	10/12/2007 15:00	10/12/2007 18:45
10/28/2007 14:20	10/28/2007 16:10	10/28/2007 16:25	10/28/2007 17:16
12/10/2007 10:00	12/10/2007 11:00	12/10/2007 11:15	12/10/2007 13:30
12/14/2007 10:45	12/14/2007 10:45	12/14/2007 11:00	12/14/2007 12:10
1/30/2008 9:30	2/1/2008 8:35	1/30/2008 9:30	1/30/2008 9:35
5/19/2008 11:04	5/19/2008 11:04	5/19/2008 11:15	5/19/2008 12:30
12/29/2008 8:00	12/29/2008 8:00	12/29/2008 8:15	12/29/2008 8:50
10/16/2009 17:00	10/16/2009 18:50	10/16/2009 19:05	10/16/2009 19:20
10/27/2009 0:00	10/27/2009 6:10	10/27/2009 6:10	10/27/2009 6:15
2/12/2010 10:30	2/12/2010 10:30	2/12/2010 10:45	2/12/2010 11:40
6/17/2010 14:30	6/17/2010 14:30	6/17/2010 14:45	6/17/2010 15:30
11/4/2013 12:45	11/4/2013 12:45	11/4/2013 13:15	11/4/2013 13:30
11/4/2013 12:45	11/4/2013 12:45	11/4/2013 13:15	11/4/2013 13:30
8/6/2012 14:00	8/6/2012 15:00	8/6/2012 15:15	8/6/2012 16:30
12/24/2010 0:00	12/24/2010 13:00	12/24/2010 13:29	12/24/2010 13:00
4/24/2011 15:00	4/24/2011 15:05	4/24/2011 15:10	4/24/2011 15:05
2/17/2013 12:29	2/17/2013 12:29	2/17/2013 12:29	2/17/2013 12:29
8/4/2013 10:00	8/4/2013 11:00	8/4/2013 11:00	8/4/2013 11:00
10/16/2010 0:00	10/16/2010 11:00	10/16/2010 11:30	10/16/2010 12:00
10/16/2010 11:00	10/16/2010 11:15	10/16/2010 11:15	10/16/2010 12:15
11/15/2010 8:00	11/15/2010 8:00	11/15/2010 8:15	11/15/2010 9:15
1/15/2011 17:00	1/15/2011 17:30	1/15/2011 17:30	1/15/2011 18:30
3/10/2011 11:30	3/10/2011 11:30	3/10/2011 11:50	3/10/2011 12:15
3/16/2011 19:00	3/16/2011 19:00	3/16/2011 19:30	3/16/2011 19:45
7/22/2011 1:00	7/22/2011 1:00	7/22/2011 1:15	7/22/2011 1:30
7/30/2011 10:15	7/30/2011 10:15	7/30/2011 10:35	7/30/2011 11:00
9/19/2011 12:30	9/19/2011 12:30	9/19/2011 12:47	9/19/2011 12:57
4/4/2012 0:00	4/4/2012 8:50	4/4/2012 9:10	4/4/2012 9:20
5/5/2012 14:10	5/5/2012 14:10	5/5/2012 14:25	5/5/2012 14:40
7/15/2012 11:30	7/15/2012 11:30	7/15/2012 12:00	7/15/2012 12:45

Grease deposition (FOG)  
Debri-Rags  
Debri-General  
Vandalism  
Vandalism  
Debri-General  
Vandalism  
Debri-General  
Vandalism  
Debri-General  
Grease deposition (FOG)  
Debri-General  
Debri-Rags  
Debri-Rags  
Debris-General  
Other (specify below)  
Vandalism  
Operator error  
Flow exceeded capacity  
Other (specify below)  
Other (specify below)  
Debri-General  
Vandalism  
Debri-General  
Debri-General  
Debris  
Debris  
Other (specify below)  
Debris  
Other (specify below)  
Other (specify below)  
Grease deposition (FOG)  
Pump station failure  
Pump station failure  
Other (specify below)  
Debri-Rags  
Grease Deposition (FOG)  
Grease Deposition (FOG)  
Root intrusion  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Pump station failure  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Vandalism  
Grease deposition (FOG)  
Grease deposition (FOG)  
Vandalism  
Grease deposition (FOG)  
Grease deposition (FOG)  
Root intrusion  
Debri-Rags  
Vandalism

Construction Debris; caused by road reconstruction project, debris deposited into MH. MH was paved over.

Two Four to Five inch diameter rocks removed from 8 inch diameter sewer main; plus additional smaller rocks during the N/A

A large piece of concrete (approx. 13 1/2 x 7 ) was lodged in the 8 sewer main.

Flushable diapers, undissolved paper products

Construction debris and grease in sewer main.

Excessive rain fall

Sand and debris washed in from winter storm

Matich Corporation was paving and hit the manhole with paving machine, dropping hot asphalt into manhole.

Church cleaned there lines into ours.

Spill was in a new development. Contractor failed to complete the flow channel.

by-pass pump sucked air. spill occurred when disconnected hose to release trapped air in discharge hose.

Trenching activity by outside contractor for developer working in close proximity of force main. While exposed, existing f

Pump shorted out by VFD failure, Back-up pump started and soft-start relay burned out, emergency back-up pump started  
Pump equipment failure.

Main line blockage

Senior restricted community - adult diapers

Soft grease blockage 10-15 feet inside of pipe

Root blockage in main backed sewer into house lateral

A rock or other obstruction caused other debris to gather & temporarily plugged exit pipe from manhole on gravity feed line

A rock temporarily blocked sewer main until pressure pushed past

The lift station has just been replaced, the controls are new the wet well is new the overflow storage is new and the system

Main  
Main

Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Gravity Mainline

Other (specify below)  
Other (specify below)  
Lower Lateral  
Main

Other (specify below)  
Main  
Other (specify below)  
Other (specify below)  
Main  
Main  
Gravity Mainline  
Gravity Mainline  
Main  
Main  
Main  
Other (specify below)  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main



N/A  
N/A

In sewer manhole.  
Manhole

Force Main

Failure in pump automatic controls and subsequent debris/rags clogged emergency stand-by pump.  
Pump control equipment failure.

6 collector branch cleanout leading to 15 main

Root blockage in main approx 60 feet upstream from Manahole #33. Root intrusion due to crack in pvc main. Dug up ma

Failure occurred in lift station number 4 and suspected spill occurred at the wet well at same location.

No  
8 PVC  
8 PVC  
8 VCP  
8  
8 Concrete  
8  
8 Clay  
8  
10 VCP  
8 Concrete  
8 VCP  
8  
12 VCP  
8 vcp  
8 VCP  
8 PVC  
12 PVC

15 pvc

6 PVC

10 PVC  
8 PVC  
15 PVC  
8 PVC

6 PVC  
8 PVC

No  
No  
in, removed roots and repair  
6  
15 PVC  
6 PVC  
6 PVC  
8 pvc  
8 plastic  
4 PVC

4 PCV  
8 VCP  
8 VCP  
8 VCP  
10 VCP  
8 VCP  
8 VCP  
8 VCP  
6 VCP  
8 VCP  
8 VCP  
8 vcp  
8 VCP

20  
8

90

30

80

50  
360  
1  
19

13  
25  
18  
25

17  
29

24  
300  
300  
30  
30  
30

50  
25  
30  
15  
30  
30  
20  
20  
30

30  
50  
40



On Wednesday, September 30, 2009, at 5:37 p.m., Robert Kelsey, Standby duty, responded to a report of a sewer overflow.  
On November 18, 2009, at approximately 2:45 p.m., Mitch Tucker, Public Works Leadworker, received a call reporting a  
11:38 AM, 3/23/10, Victorville P.W.s Dept. received a report of an SSO @ 15691 1st St. P.W.s personnel arrived @11:50  
Refer to Attached Mainline Stoppage Report (Investigation Report) and Lahontan's Enclosure A, attached.  
On Thursday, October 14, 2010, at 10:40a.m., Mitch Tucker received a telephone call from Wade Pieper, of Victor Valle

PWs Stdby was called out @ 2:30 PM to reported SSO on Cazadero Rd. south of Puesta Del Sol Dr. Stdby arrived @ 2:40  
The SSO condition had ceased as the Public Works crews arrived; however the street was wet and the sewer manhole was

Flushed 1200 gallons of chlorine/water solution into stormdrain  
Place hydrated lime over spill area, initially restricted to access of adjacent property by owner, ultimately allowed access

All restrooms in park were closed and inactive and the sewer system had been pumped out several days previous to spill.

Alarm Discovered and a damp spot checked for origin Station is turned on to manual and wet well is pumped down to operating level

N/A

N/A

N/A

12/31/2008 15:00  
5/11/2009 14:00  
9/30/2009 21:00

4/26/2010 15:00  
9/2/2010 14:00

3/24/2011 14:30  
7/1/2011 14:00  
8/4/2011 15:00  
12/1/2011 0:00  
2/6/2012 15:00  
5/23/2012 15:00

11/12/2013 14:00  
10/23/2007 16:00  
10/31/2007 14:30

1/21/2010 18:00

8/20/2010 15:00

1/24/2011 16:00

6/4/2012 16:00

5/19/2008 14:00  
12/29/2008 9:30  
10/21/2009 15:00  
10/27/2009 16:00

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance  
Other (specify below)  
Other (specify below)

Repaired sewer  
Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance  
Other (specify below)  
Plan rehabilitation or replacement of sewer;Repaired sewer  
Adjusted schedule/method of preventive maintenance  
Adjusted schedule/method of preventive maintenance;Other (specify below)  
Added sewer to preventive maintenance program

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance;Inspected Sewer  
Added sewer to preventive maintenance program;Enforcement action against FOG source;Plan rehabilitation or replacen  
Other (specify below)

Other (specify below)

Other (specify below)

Other (specify below)

Added sewer to preventive maintenance program

Repaired sewer  
Adjusted schedule/method of preventive maintenance  
Plan rehabilitation or replacement of sewer  
Plan rehabilitation or replacement of sewer;Repaired sewer

City Building & Safety Officer to inspect construction site and auto car wash upstream from SSO Man hole.  
Unusual circumstance as contractor's crew, reconstructing road surface, dropped debris (asphalt, concrete, gravel, and br

8 sewer main was spot repaired @ location where second large rock was removed.  
Will schedule CCTV inspection of sewer main when equipment is repaired. Currently, CCTV equipment is in vendor's rep

MH covers in the off-road easement have all been buried w/approx. 10 cu. yard of dirt to protect against vandalism.  
The segment of sewer main will be CCTV inspected and a recommendation to rehailitate or replace will be submitted to tl

Inspection of the affected segments of the sewer main will be inspected within 6 months to ensure no additional problems

Will monitor area more frequently to help prevent vandalism

Victor Valley Wastewater Reclamation Authority is upgrading their system.

Meeting with contractor

Check area more often for vandalism

Repairing of pump control equipment. and scada communication equipment.



Yes  
Yes  
Yes

Yes  
Yes

No  
No  
No  
No  
No  
No

Yes  
No  
No

No

No

No

No

No  
No  
Yes  
Yes

The 1999 & the 1993 Vector crew were contacted to respond to the location of Petaluma Road, north of Mall Blvd. Mitch

N/A  
N/A  
N/A

N/A  
N/A

N/A

N/A

No visual impacts detected

No signs of sewage at suspected spill location other than minor erosion

No sludge no residue other than a couple of pieces of paper by a manhole cover that were incinerated. Did not escape em

N/A  
N/A  
N/A  
N/A  
N/A  
N/A  
N/A  
N/A  
N/A  
N/A

No  
No  
No

No  
No

No  
No  
Yes  
Yes  
Yes  
Yes

No  
No

Yes

Yes

Yes

Yes

No  
No  
No  
No

N/A  
N/A  
NA

N/A  
N/A  
N/A

NA  
No Beaches affected. Dry earthen drainage channel affected.  
Temporary warning signs placed on perimeter of dry, earthen, drainage channel.  
N/A  
N/A

N/A  
N/A

N/A

NA

NA  
N/A  
N/A  
NA

N/A

NA  
Willow Day use area about 500 ft from surface water of Silverwood Lake SRA

N/A  
N/A  
N/A  
N/A  
N/A  
N/A  
N/A  
N/A  
N/A  
N/A

N/A  
N/A  
NA

N/A  
N/A  
N/A

City Catch Basin

N/A

Effluents reached a storm drain catch basin, drain pipe, and open channel. No surface water was directly impacted.

Oro Grande Wash-Dry Wash bed

No beach surface affected

N/A

N/A

N/A

N/A

Mojave River

NA

Did not reach any surface water. Touched into a dry drainage channel.

None

None

NA

N/A

Mojave River, water percolated into ground before contact with surface water

Mojave River

n/a. Sewer completely contained.

N/A

none

NA

Silverwood Lake State recreation Area

None

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

No water quality samples taken;Not applicable to this spill  
No water quality samples taken  
No water quality samples taken

No water quality samples taken;Not applicable to this spill  
Not applicable to this spill

No water quality samples taken  
No water quality samples taken  
No water quality samples taken  
No water quality samples taken  
No water quality samples taken  
No water quality samples taken

No water quality samples taken  
Not applicable to this spill

Other (specify below)

Not applicable to this spill

No water quality samples taken

Not applicable to this spill

No water quality samples taken  
No water quality samples taken  
No water quality samples taken  
Not applicable to this spill

N/A  
N/A

N/A

Will send report from Lab

None of the above  
None of the above  
None of the above

None of the above  
None of the above

None of the above  
None of the above  
None of the above  
None of the above  
None of the above  
None of the above

Not applicable to this spill  
Not applicable to this spill

County Health Agency;Regional Water Quality Control Board

No water quality samples taken

No water quality samples taken

Not applicable to this spill

None of the above  
None of the above  
Not applicable to this spill  
None of the above



N/A

N/A  
N/A

N/A  
N/A

CWEA-So. Section Collection System Committee Overflow Gauge (Attached)

CWEA SSCSC manhole overfolw gauge and the dimensions of the effected area  
CWEA SSCSC Manhole Overflow Gauge

	89249	12/31/2008 12:30
	93439	5/4/2009 13:42
	96652	9/30/2009 18:50
	97814	11/19/2009 13:45
	101967	3/23/2010 16:17
	105242	9/1/2010 9:00
	6197	10/14/2010 11:40
11-1851		3/24/2011 12:45
	113950	7/1/2011 7:54
	114552	8/1/2011 13:55
	116643	11/8/2011 10:13
12-0704		2/3/2012 21:30
	122767	5/9/2012 14:45
	122767	8/3/2012 16:33
	7648	10/22/2007 9:00
	76655	10/30/2007 1:00
	100543	1/21/2010 15:10
	100809	1/30/2010 3:50
	104930	8/17/2010 14:30
	110462	1/24/2011 13:45
	9168458911	10/29/2007 8:50
	83636	5/19/2008 16:25
		12/29/2008 15:00
	97041	10/17/2009 10:50
	97272	10/28/2009 13:35

Joe Flores, Public Works Manager

7602436380

Mike Molinari

7602407000

Mike Cady, Public Works Supervisor

7602407000

6SSO14497	Active	790663 John W. Bracken	Certified
6SSO14497	Active	790665 John W. Bracken	Certified
6SSO14497	Active	790666 John W. Bracken	Certified
6SSO14497	Active	792344 John W. Bracken	Certified
6SSO14497	Active	800562 John W. Bracken	Certified
6SSO14497	Active	800578 John W. Bracken	Certified
6SSO18093	Active	755625 Graham Payne	Certified
6SSO18094	Active	796122 Graham Payne	Certified
6SSO18095	Active	755747 Graham Payne	Certified
6SSO18095	Active	794952 Graham Payne	Certified
6SSO18103	Active	798533	Submit Draft
7SSO10506	Active	730140 Wayne Robertson	Certified
7SSO10506	Active	745391 Wayne Robertson	Certified
7SSO10506	Active	756484 Wayne Robertson	Certified
7SSO10506	Active	782885 Wayne Robertson	Certified
7SSO10506	Active	784908 wayne Robertson	Certified
7SSO10506	Active	787653 wayne Robertson	Certified
7SSO10506	Active	788630 wayne Robertson	Certified
7SSO10507	Active	707410 Perry Gerdes	Certified
7SSO10507	Active	712739 Perry Gerdes	Certified
7SSO10507	Active	725453 Perry Gerdes	Certified
7SSO10507	Active	725518 perry Gerdes	Certified
7SSO10507	Active	725520 Perry Gerdeas	Certified
7SSO10507	Active	744482 Perry Gerdes	Certified
7SSO10507	Active	773188 Perry Gerdes	Certified
7SSO10507	Active	773254 Perry Gerdes	Certified
7SSO10507	Active	788961 Perry Gerdes	Certified
7SSO10509	Active	708828 Mark Edwards	Certified
7SSO10509	Active	713794 Mark Edwards	Certified
7SSO10509	Active	714682 Thomas Ecret	Certified
7SSO10509	Active	718035 Mark Edwards	Certified
7SSO10509	Active	726965 Mark Edwards	Certified
7SSO10509	Active	751571 Jeffery R. Mclain	Certified
7SSO10509	Active	762945 Thomas Ecret	Certified
7SSO10509	Active	768864 Tom Ecret	Certified
7SSO10509	Active	769482 THOMAS ECRET	Certified
7SSO10509	Active	771623 Thomas Ecret	Certified
7SSO10509	Active	773586 Thomas Ecret	Certified
7SSO10509	Active	774229 Thomas Ecret	Certified
7SSO10509	Active	785690 Thomas Ecret	Certified
7SSO10509	Active	786562 Thomas Ecret	Certified
7SSO10509	Active	787715 Thomas Ecret	Certified
7SSO10509	Active	789580 Thomas Ecret	Certified
7SSO10513	Active	708466 Kim L. Post	Certified
7SSO10513	Active	793507 Jerry Rolwing	Certified
7SSO10514	Active	749001 David Arvizu	Certified
7SSO10514	Active	750039 David Arvizu	Certified
7SSO10515	Active	751758 Alberto Ruiz	Certified
7SSO10515	Active	794431 Arturo Estrada	Certified
7SSO10519	Active	766242 Mark Coon	Certified
7SSO10519	Active	766754 Mark Coon	Certified
7SSO10520	Active	728654 J. Jimenez	Certified
7SSO10520	Active	767969 jerry jimenez	Certified
7SSO10520	Active	793434 jjimenez	Certified
7SSO10524	Active	755937 Eric Salazar	Certified

Chief Plant Operator  
Chief Plant Operator  
Chief Plant Operator  
Chief Plant operator  
Chief Plant Operator  
Chief Plant Operator  
Water & Sewer Plant Supervisor  
Water & Sewer Plant Supervisor  
Water & Sewer Plant Supervisor  
Water & Sewer Plant Supervisor

Chief Plant Operator  
Chief Plant Operator  
Chief Plant Operator  
Chief Plant Operator  
Chief Plant Operator  
Chief Plant Operator  
Chief Plant Operator  
Public Utility Superintendent  
Public Utilities Superintendent  
Water/Wastewater Superintendent  
Water/Wastewater Superintendent  
Water/Wastewater Superintendent  
Water/Wastewater Superintendent  
Water/Wastewater Superintendent  
Water/Wastewater Superintendent  
Water/Wastewater Treatment Sup.  
Water/Wastewater Treatment Sup.  
Chief Plant Operator  
Water/Wastewater Treatment Sup.  
Water/Wastewater Treatment Supervisor  
water/sewer supervisor  
Chief Plant Operator  
CPO  
CPO  
WWTP CPO  
Wastewater Supervisor  
CPO  
CPO  
CPO  
CPO  
Chief plant Operator  
Engineer  
General Manger  
Collections Supervisor  
Collections Supervisor  
Collection Chief Operator  
Chief Operator-Collections  
Chief Wastewater Operator  
Chief Wastewater Operator  
Superintendent  
superintendent  
sup of san  
Board Secretary

City of Ridgecrest WWTF		626091
City of Ridgecrest WWTF		900202
City of Ridgecrest WWTF		449115
City of Ridgecrest WWTF		319574
City of Ridgecrest WWTF		843698
City of Ridgecrest WWTF		360983
Sugarpine Point SP - Office		709663
Sierra District Office		434476
Sierra District Office		454306
Sierra District Office		901345
Alan L. Horton WWTP		618344
1:49PM		639145
	14:19	216135
Horton Plant		203983
Horton Plant		526208
Horton Plant		501310
Horton Plant		434436
	1105	971194
	10:00 AM	242952
	1709	182358
16:40		404841
	1127	770876
	713	326116
	1517	880718
	1102	721631
	1529	970261
Blythe, CA		208150
Blythe, CA		962027
7:am		919371
Blythe, CA 92225		727000
Blythe, CA		443672
blythe		883666
	2:15 PM	852071
wastewater plant		119310
	1310	145472
	9/30/2011	921584
	10:39	881846
WWTP		416406
WWTP		684099
WWTP		470627
wwtp		711588
WWTP		552088
Vista, CA		759926
	7:47 AM	495971
Brawley, Ca		137712
Brawley, CA		960990
	1322	176904
	10:16 AM	928747
	10:17	419620
	8:18	377002
coachella		810101
riverside county		917339
coachella		510168
SCSD		371591

22-Jan-13	1/22/2013	22-Jan-13	1/22/2013
22-Jan-13	1/22/2013	22-Jan-13	1/22/2013
22-Jan-13	1/22/2013	22-Jan-13	1/22/2013
5-Mar-13	3/5/2013	5-Mar-13	3/5/2013
7-Nov-13	11/7/2013	7-Nov-13	11/7/2013
7-Nov-13	11/7/2013	7-Nov-13	11/7/2013
29-Jul-10	8/3/2010	3-Aug-10	8/3/2010
25-Jun-13	6/25/2013	25-Jun-13	6/25/2013
4-Aug-10	8/4/2010	14-Sep-10	9/14/2010
10-Jun-13	6/10/2013	10-Jun-13	6/10/2013
6-Sep-13	9/19/2013		
3-Dec-08		3-Dec-08	12/3/2008
6-Oct-09		6-Oct-09	10/6/2009
30-Aug-10	8/30/2010	30-Aug-10	8/30/2010
3-Jul-12	7/3/2012	3-Jul-12	7/3/2012
9-Aug-12	8/9/2012	9-Aug-12	8/9/2012
29-Oct-12	10/29/2012	29-Oct-12	10/29/2012
30-Nov-12	11/30/2012	30-Nov-12	11/30/2012
7-Nov-07		7-Nov-07	11/7/2007
13-Feb-08		7-Apr-08	4/7/2008
28-Aug-08		29-Aug-08	8/29/2008
29-Aug-08		29-Aug-08	8/29/2008
29-Aug-08		3-Feb-11	2/3/2011
9-Sep-09		10-Sep-09	9/10/2009
16-Nov-11	11/16/2011	16-Nov-11	11/16/2011
18-Nov-11	11/18/2011	18-Nov-11	11/18/2011
12-Dec-12	12/12/2012	12-Dec-12	12/12/2012
7-Dec-07		10-Dec-07	12/10/2007
25-Feb-08		10-Mar-08	3/10/2008
10-Mar-08		19-Mar-08	3/29/2011
27-May-08		10-Jun-08	6/10/2008
26-Sep-08		26-Sep-08	9/26/2008
13-Apr-10		14-Apr-10	4/14/2010
14-Feb-11	2/14/2011	14-Feb-11	2/14/2011
22-Jul-11	7/22/2011	14-Nov-11	11/14/2011
4-Aug-11	8/4/2011	4-Aug-11	8/4/2011
30-Sep-11	9/30/2011	30-Sep-11	9/30/2011
30-Nov-11	11/30/2011	30-Nov-11	11/30/2011
16-Dec-11	12/16/2011	16-Dec-11	12/16/2011
29-Aug-12	8/29/2012	29-Aug-12	8/29/2012
25-Sep-12	9/25/2012	25-Sep-12	9/25/2012
31-Oct-12	10/31/2012	31-Oct-12	10/31/2012
2-Jan-13	1/2/2013	2-Jan-13	1/2/2013
29-Nov-07		29-Nov-07	11/29/2007
19-Apr-13	4/19/2013	31-May-13	5/31/2013
1-Feb-10		1-Feb-10	3/29/2011
3-Mar-10		3-Mar-10	3/3/2010
19-Apr-10		19-Apr-10	4/19/2010
23-May-13	5/28/2013	28-May-13	5/28/2013
8-May-11	5/8/2011	8-May-11	5/8/2011
20-May-11	5/20/2011	20-May-11	5/20/2011
28-Oct-08		31-Jan-11	1/31/2011
28-Jun-11	6/28/2011	7-Jul-11	7/7/2011
17-Apr-13	4/17/2013	28-Apr-13	4/28/2013
10-Aug-10	8/10/2010	16-Aug-10	8/16/2010



Category 1		125	100
Category 1		400	300
Category 1		150	100
Category 1		150	100
Category 3	400	400	350
Category 3	70	70	50
Category 3		25	0
Category 1		900	800
Category 3		10	10
Category 3		800	800
Category 3	0	100	100
Category 3		100	0
Category 3		900	0
Category 3		840	0
Category 3		100	100
Category 2		5000	0
Category 1		3000	1000
Category 2		4000	500
Category 1		342	100
Category 1		9600	0
Category 3		580	0
Category 3		260	250
Category 1		2800	200
Category 3		500	0
Category 3		15	0
Category 2		1500	1500
Category 1		150	100
Category 3		10	10
Category 3		90	88
Category 3		10	10
Category 3		45	40
Category 3		500	0
Category 3		100	95
Category 3		100	100
Category 3		90	0
Category 3		315	310
Category 3		350	0
Category 3		200	200
Category 3		300	0
Category 3		300	300
Category 3		350	350
Category 3		436	0
Category 3		200	0
Category 3		50	0
Category 1		400	0
Category 1		1000	0
Category 3		300	300
Category 1		1350000	0
Category 2		4200	4000
Category 3		200	200
Category 3		300	0
Category 2		2800	1000
Category 3		874	0
Category 2		1353	1353
Category 1		700	550

25 No	No
100 No	No
50 No	No
50 No	No
0 No	No
0 No	No
0 No	No
100 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
2000 No	Yes
0 No	No
20 Yes	No
9600 Yes	Yes
0 No	No
0 No	No
2600 No	Yes
0 No	No
0 No	No
0 No	Yes
50 No	Yes
No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	Yes
0 No	Yes
0 No	No
0 No	Yes
0 No	Yes
0 No	Yes
0 No	No
0 No	No
0 No	No
No	No
1 No	No
1000 Yes	Yes
0 No	Yes
1350000 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
150 Yes	Yes



439 Reeves  
Gold Canyon/Sandune Lane  
Perdew/N.Norma  
509 Silveridge  
621 S. Downs  
Sandune & Palm  
Emerald Bay State Park, Eagle Point Campground  
Beachcamp @ D. L. Bliss State Park  
Sugarpine Point State Park  
Sugarpine Point State Park  
entrance to campground  
Via Corto West  
Avenida Manzana  
Santa Cruz  
Cooper Court  
Ave. Manzana at Dillon Road  
66829 ironwood drive  
Avenida Manzana  
City of Banning  
Beaumont calf.  
City of Banning  
Banning  
Banning  
City of Banning  
city of banning  
Florida / Hoffer  
City Of Banning  
185 N. Eighth St., Blythe, CA 92225  
282 N. 3rd St., Blythe, CA 92225  
Lido Lane  
Sewer lift #1  
South shoulder of 6th Ave.  
bell ln  
CHAPARRIL DR  
LIDO LANE  
NORTH EIGHT ST,  
Provident Sewer Lift Station  
700 N. Broadway  
700 N. Broad Way  
700 N. Broadway  
City Yard Sewer Lift #5  
East Hobson Way, East of Highway 95  
Provident Sewer Lift  
Wastewater pump station  
Borrego Valley Road  
West Duarte & North El Cerrito Drive  
A street & 3rd street  
36 ruptured main across New River  
Hwy 98 & Ollie Ave.  
Cross Pumpstation  
Intersection of Mesquite Street and Blazing Star Trail (Verbena Way) manhole  
airport blvd. and van buren st.  
53-973 Sienna St. Coachella, CA. 92236  
tyler st. 53-54 4-13-13  
Desert Shores Trailer Park, Desert Shores Drive at Wally Albrigh Lane

35.633333	-117.633333 Kern
35.616667	-117.658889 Kern
35.633333	-117.666667 Kern
35.61515	-117.66566 Kern
35.600128	-117.683485 Kern
35.61667	-117.650018 Kern
38.956	-120.0828 El Dorado
38.99923	-120.10178 El Dorado
39.05582	-120.12673 El Dorado
39.05581	-120.12611 El Dorado
34.94451	-116.86504 San Bernardino
33.928936	116.50045 Riverside
33.93934	-116.49302 Riverside
33.97387	-116.5064 Riverside
33.964577	-116.511475 Riverside
33.92523	-116.49366 Riverside
33.95007	-116.49555 Riverside
33.92523	-116.49366 Riverside
33.927222	116.877222 Riverside
33.927778	116.946667 Riverside
33.931667	116.866356 Riverside
33.927297	116.871783 Riverside
33.926322	-116.867972 Riverside
33.934433	-116.870144 Riverside
33.937681	-116.875456 Riverside
33.93445	-116.87026 Riverside
33.9298	-116.94095 Riverside
33.761944	114.6875 Riverside
33.641111	114.613056 Riverside
33.600001	-114.583395 Riverside
33.603483	114.583767 Riverside
33.888056	114.74 Riverside
33.603056	-114.5484 Riverside
33.616818	-114.583433 Riverside
33.600556	-114.646944 Riverside
33.840833	-114.597778 Riverside
33.841667	-114.597778 Riverside
33.621722	-114.596931 Riverside
33.621722	-114.59693 Riverside
33.621731	-114.597021 Riverside
33.603208	-114.59895 Riverside
33.610056	-114.568569 Riverside
33.841667	-114.59777 Riverside
33.240361	116.348056 San Diego
33.226389	-116.348056 San Diego
32.98917	-115.54606 Imperial
32.98361	-115.53561 Imperial
32.766389	-115.748333 Imperial
32.679615	-115.502839 Imperial
32.8257	-115.56303 Imperial
32.82136	-115.58212 Imperial
33.633479	116.18359 Riverside
33.65688	-116.19366 Riverside
33.812778	-116.388056 Riverside
33.24408	-116.02165 Imperial

[illegible]

Man Hole  
Man Hole

Manhole located at 509 silveridge

Man hole

Manhole

Spill was located at Lift Station #2 within Emerald Bay State Park, Eagle Point Campground. Upon entry to the campground. D. L. Bliss State Park, Beachcamp Camping Area.

Overflow was coming out of a manhole located approximately 1/2 of a mile from the intersection of West Lake Blvd. on the  
Spill was located on the main access road into Sugarpine Point State Park Campground between loops 1 and 2 and just before  
MH 2 at entrance to campground

First Manhole on Via Corto West. North of intersection of Via Corto West and Camino Idilio.

in the street about 3.5 feet deep a 10" sewer force main was hit and penetrated during a boring operation. A abandoned 12"  
Overflowing Manhole in the street

on street in front of 65380 Cooper Court.

flowing out of a gravity 8" mainline Manhole. Flowing South crossing Dillon Road and traveling approximately 900 feet into  
10" mainline on Ironwood Drive backed up into an apt. duplex. The C.O. on the South side of the duplex popped off allowing

flowing out of a gravity 8" mainline Manhole. Flowing South crossing Dillon Road and traveling approximately 800 feet into  
Private lateral at 247 4th Street Banning Ca 92220

pump station failed causing manhole to overflow into Banning and into storm drain.

City Of Banning main line

City main line

back up in house, bath, hall, utility room, back room

Spill coming from pick hole in manhole located in the intersection of Florida and Hoffer.

Main line blockage, push sewer up and out private lateral out side of building, across lot to curb and to storm inlet.

pick hole in manhole lid @ above address

Main on 3rd St. blocked with grease ball. Small spill out pick hole at above address. All contents vacuumed up and area

Manhole on road shoulder next to cotton field.

CENTER OF ROAD ACROSS FROM 424 CHAPARRIL DR.

LIDO LANE MANHOLE

IN ALLEY OF NORTH EIGHT ST. (MANHOLE)

Surface street.

Intersection.

City Yard Sewer Lift #5

At wastewater pump station on east side of Borrego Valley Road.

along east side of road right-of-way

Northwest side of New River

In front of Post Office on Ollie Ave.

Intersection of Mesquite Street and Blazing Star Trail (Verbena Way) manhole

Manhole at the intersection of airport blvd. and van buren st.

Residential street

1

1

and, continue down park road approximate

campground access road.

beyond the Sugarpine Point State Park &

1

ductile iron water line was also struck ar

o a section of undeveloped desert lands

ing the sewage to flow to the west onto

o a section of undeveloped desert lands

disinfected. Blockage cleared with jet r



Manhole  
Manhole  
Manhole  
Manhole  
Gravity Mainline  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Manhole  
Manhole  
Manhole  
Force main or pressure sewer  
Gravity sewer  
Gravity sewer;Manhole  
Manhole  
Building or structure  
Gravity sewer;Manhole  
Other (specify)  
Manhole  
Gravity sewer  
Manhole  
Manhole  
Gravity sewer;Manhole  
Building or structure  
Gravity sewer  
Gravity sewer  
Manhole  
Manhole  
Manhole  
Manhole  
Manhole  
Gravity sewer  
Manhole  
Manhole  
Gravity sewer;Manhole  
Manhole  
Force main or pressure sewer  
Force main or pressure sewer  
Force main or pressure sewer  
Force main or pressure sewer  
Gravity sewer  
Gravity sewer  
Pump station  
Force main or pressure sewer  
Gravity sewer;Manhole  
Gravity sewer;Manhole  
Gravity sewer  
Other (specify)  
Pump station  
Manhole  
Manhole  
Manhole  
Manhole  
Pump station

Sewage was bubbling up out of manhole opener hole approximately 4inches. Spill did not raise the manhole lid from the s  
Sewage was flowing from a manhole located next to campground road.  
Slow trickle out of manhole lid.  
Spill appearance was from the manhole in the middle of the road at the above longitude and latitude.  
Man Hole 2, pick hole in cover

Private Lateral clean out

roots in mainline  
Sewer Manhole  
Sewer back up and out lateral outside of building.

spill from forced main into manmade basin

36 gravity main ruptured from the first manhole crossin in the Southwest side of the New River.  
Pipe not fastened correctly from a by-pass pump

Street/curb and gutter  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Paved Surface  
Paved Surface  
Street/curb and gutter  
Unpaved surface  
Other (specify below)  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter;Unpaved surface  
Separate storm drain  
Unpaved surface  
Storm drain;Street/curb and gutter  
Storm drain;Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Separate storm drain;Street/curb and gutter  
Street/curb and gutter  
Building or structure  
Separate storm drain;Street/curb and gutter  
Separate storm drain;Street/curb and gutter;Other (specify below)  
Street/curb and gutter  
Street/curb and gutter  
Other (specify below)  
Street/curb and gutter  
Unpaved surface  
Other paved surface  
Separate storm drain;Street/curb and gutter  
Separate storm drain  
Combined storm drain (combined CS only);Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Street/curb and gutter  
Other (specify below)  
Other (specify below)  
Unpaved surface  
Other (specify below)  
Unpaved surface  
Unpaved surface  
Separate storm drain;Surface water  
Storm drain;Street/curb and gutter  
Surface water  
Street/curb and gutter  
Unpaved surface  
Combined storm drain (combined CS only)  
Street/curb and gutter;Unpaved surface  
Street/curb and gutter  
Unpaved surface  
Storm drain

Spill came out of manhole and ran down and into asphalt gutter of roadway. Sewage that came out was liquid only and n  
Sewage flowed from manhold into collection basin intended for runoff from roadway.  
Overflow flowed onto surrounding ground and soaked into dirt.  
Spill flowed from the Manhole to the dirt side of the roadway.

manhole overflowed into curb and gutter and then into storm drain

lost water to evaporation in the curb and gutter  
roots in mainline

Ran down the curb and gutter for approx. four blocks. Spill booms were deployed to minimize the distance of spill.  
Water pooled out side of stormdrain where crew vactored up water.

Wet mahole ring

Spill was collected and dumped at the waste water plant.  
Wastewater Treatment Plant

Cleaned up and dumped at the wastewater plant.

discharge captured in manmade basin and cleanup residual ot wastewater treatment plant

All raw sewage discharged into the New River.

11/7/2012 11:00	11/7/2012 11:00	11/7/2012 11:15	11/7/2012 11:35
11/21/2012 21:30	11/21/2012 21:30	11/21/2012 22:00	11/21/2012 23:00
12/31/2012 12:30	12/31/2012 12:30	12/31/2012 12:45	12/31/2012 13:15
2/28/2013 21:30	2/28/2013 21:30	2/28/2013 21:45	2/28/2013 22:30
10/1/2013 0:00	10/1/2013 19:45	10/1/2013 19:45	10/1/2013 20:35
10/21/2013 0:00	10/21/2013 10:55	10/21/2013 11:35	10/21/2013 11:55
7/21/2010 0:00	7/21/2010 10:55	7/21/2010 11:05	7/21/2010 11:10
6/21/2013 21:00	6/22/2013 6:30	6/22/2013 6:30	6/22/2013 9:10
8/3/2010 0:00	8/3/2010 15:00	8/3/2010 15:05	8/3/2010 16:00
5/25/2013 6:00	5/25/2013 8:30	5/25/2013 8:40	5/25/2013 10:35
9/5/2013 12:31	9/5/2013 12:31	9/5/2013 2:30	9/5/2013 3:15
11/30/2008 12:00	12/1/2008 10:28	12/1/2008 10:45	12/1/2008 11:45
9/22/2009 11:00	9/22/2009 11:15	9/22/2009 11:30	9/22/2009 11:30
8/19/2010 6:00	8/19/2010 6:30	8/19/2010 6:42	8/19/2010 7:32
6/19/2012 21:00	6/19/2012 21:42	6/19/2012 23:45	6/20/2012 0:00
8/7/2012 22:00	8/7/2012 1:29	8/7/2012 2:10	8/7/2012 2:20
10/26/2012 2:00	10/26/2012 8:05	10/26/2012 8:20	10/26/2012 9:10
11/25/2012 12:00	11/25/2012 12:49	11/25/2012 13:30	11/25/2012 13:35
11/5/2007 8:45	11/5/2007 10:48	11/5/2007 10:50	11/5/2007 10:58
2/10/2008 0:00	2/10/2008 10:00	2/10/2008 10:15	2/10/2008 11:20
8/28/2008 9:00	8/28/2008 9:00	8/28/2008 9:15	8/28/2008 9:30
8/29/2008 10:30	8/29/2008 11:00	8/29/2008 11:10	8/29/2008 11:30
8/29/2008 11:55	8/29/2008 12:00	8/29/2008 12:05	8/29/2008 12:20
9/9/2009 11:20	9/9/2009 12:15	9/9/2009 12:20	9/9/2009 12:40
11/12/2011 12:00	11/14/2011 14:50	11/14/2011 15:00	11/14/2011 16:00
11/18/2011 7:00	11/18/2011 7:16	11/18/2011 7:45	11/18/2011 8:15
12/11/2012 19:00	12/11/2012 20:15	12/11/2012 20:45	12/11/2012 21:15
12/6/2007 18:40	12/6/2007 18:55	12/6/2007 19:01	12/6/2007 19:15
2/24/2008 21:15	2/24/2008 21:15	2/24/2008 21:20	2/24/2008 21:30
3/9/2008 20:51	3/9/2008 20:51	3/9/2008 20:55	3/9/2008 20:55
5/26/2008 10:56	5/26/2008 10:57	5/26/2008 11:05	5/26/2008 11:07
9/24/2008 9:15	9/24/2008 9:30	9/24/2008 9:30	9/24/2008 9:45
4/3/2010 21:00	4/3/2010 21:04	4/3/2010 21:05	4/3/2010 21:06
2/12/2011 8:15	2/12/2011 8:30	2/12/2011 8:40	2/12/2011 8:45
7/18/2011 15:00	7/18/2011 15:15	7/18/2011 15:30	7/18/2011 16:00
7/31/2011 5:00	7/31/2011 6:15	7/31/2011 6:30	7/31/2011 6:45
9/29/2011 13:40	9/29/2011 16:11	9/29/2011 16:16	9/29/2011 16:19
11/28/2011 14:00	11/28/2011 14:02	11/28/2011 14:08	11/28/2011 14:13
12/13/2011 13:00	12/14/2011 13:02	12/14/2011 13:05	12/14/2011 13:12
8/22/2012 22:48	8/22/2012 22:58	8/22/2012 23:18	8/22/2012 23:22
9/20/2012 10:21	9/20/2012 10:21	9/20/2012 10:21	9/20/2012 10:21
10/30/2012 18:48	10/30/2012 18:59	10/30/2012 19:06	10/30/2012 19:00
12/28/2012 13:25	12/28/2012 13:33	12/28/2012 13:44	12/28/2012 13:45
10/28/2007 15:40	10/28/2007 15:40	10/28/2007 15:30	10/28/2007 15:45
4/18/2013 14:00	4/18/2013 14:15	4/18/2013 14:15	4/18/2013 14:20
1/21/2010 8:53	1/21/2010 8:53	1/21/2010 9:00	1/21/2010 23:59
2/8/2010 9:30	2/8/2010 9:30	2/8/2010 9:45	2/8/2010 11:00
4/5/2010 6:00	4/5/2010 6:15	4/5/2010 6:30	4/10/2010 13:00
4/16/2013 1:50	4/16/2013 1:50	4/16/2013 1:50	4/16/2013 4:00
4/24/2011 11:55	4/24/2011 12:00	4/24/2011 12:05	4/24/2011 12:00
5/19/2011 5:15	5/19/2011 6:00	5/19/2011 5:25	5/19/2011 6:00
10/24/2008 8:15	10/24/2008 8:30	10/24/2008 8:45	10/24/2008 9:20
5/4/2011 7:30	5/4/2011 7:31	5/4/2011 7:57	5/4/2011 8:17
4/13/2013 15:20	4/13/2013 15:24	4/13/2013 15:36	4/13/2013 16:35
4/17/2009 10:00	4/17/2009 10:00	4/17/2009 10:10	4/17/2009 11:00

Grease deposition (FOG)  
Vandalism  
Grease deposition (FOG)  
Grease deposition (FOG)  
Vandalism  
Grease Deposition (FOG)  
Pump station failure  
Root intrusion  
Debri-Rags  
Root intrusion  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Vandalism  
Debri-Rags  
Pump station failure  
Grease deposition (FOG)  
Pump station failure  
Debris  
Pump station failure  
Root intrusion  
Grease deposition (FOG)  
Grease deposition (FOG)  
Vandalism  
Root intrusion  
Grease deposition (FOG)  
Other (specify below)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Debris  
Other (specify below)  
Flow exceeded capacity  
Pump station failure  
Pump station failure  
Grease deposition (FOG)  
Flow exceeded capacity (Separate CS Only)  
Flow exceeded capacity (Separate CS Only)  
Debri-General  
Debri-General  
Operator error  
Debri-General  
Other (specify below)  
Pump station failure  
Pipe structural problem/failure  
Rainfall exceeded design (Separate CS Only)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Pump station failure  
Debri-General  
Pump station failure  
Grease deposition (FOG)  
Grease deposition (FOG)  
Pump station failure

Lift station #2 formed a sewage blanket on top of the wet well for some reason that we are attempting to identify. This blockage was identified by a vacuum truck. Tahoe City PUD responded a Vac Truck to the incident to remove spilled material and to rod out the lines. While they were working, flash flood debris entered sewer through MH pick hole. New construction of sewer mainline. New service went on line. Contractor left screw plug in mainline pipe. boring operation struck 10" sewer force mainline.

City's 8" VCP main line partially blocked by rags

Due to grease plug removal at a higher SSO  
Vandalism- Pulled out 5 plastic wheel with rags  
Customer said spill only happened for a short time and did not call to report until Monday afternoon.

Grease and rags

Debris clogged one of two pumps...holiday flow was above normal.  
09/23/2008 22:15 PM. So. Cal. Edison spikes the circuit serving sewer lift 14 located at 6th & DeFrain. This blows all out. pumps failed to start due to bad float

Unplugged sewer line upstream of lift, causing lift to run an extended period of time causing surcharge of the line spilling  
deteriorated unused air release valve broke

Rainfall      General debris      Combined system  
7.2 Earthquake Magnitude.  
By-pass discharge pipe came loose

Main  
Main  
Main  
Main  
Manhole  
Manhole  
Main  
Upper Lateral  
Main  
Main  
Main  
Other (specify below)  
Main  
Main  
Main  
Other (specify below)  
Main  
Other (specify below)

Main  
Main  
Main  
Main  
Main  
Main

Upper Lateral

Other (specify below)  
Main  
Main  
Upper Lateral  
Main  
Lower Lateral  
Lower Lateral  
Main  
Main  
Main  
Main  
Lower Lateral

Main  
Main

Main  
Other (specify below)  
Other (specify below)  
Lower Lateral  
Lower Lateral  
Upper Lateral  
Main



Failure occurred on the discharge end of the forcemain from lift station #3 which is located directly in front of lift station #2. Lateral collects water from the Beachcamp combo unit. Blockage was approximately 75 feet below the manhole located on the campground access at the junction to campground.

Contractor error. screw plug left in mainline pipe.

The uninterruptible power source (UPS) failed at the lift station. The bubbler level control and the auto dialer are connected to the same power source. The new level control system failed. Was not installed correctly by contractor. The back up floats were not programmed to turn on.

At lift station.

pumps failed to start due to a bad float  
LOOSE WIRE IN CONTROL PANEL AT SEWERLIFT

on east side right of way of Borrego Valley Rd

from loose pipe towards gutter in front of location  
Occurred at Pumpstation panel controls were malfunctioning

	8 VCP
	8 vcp
	8 vcp
	10 VCP
No	8 VCP
No	8 VCP
.	4
	6 AC
loop #2.	4 AC
	6 unknown
Yes	6 clay
	8 vcp
	10 C 900
	8 vcp
	8
to the UPS and failed to op	
on a pump under high level c	10 vcp
	8
	8 VCP
	8 vcp
	8 VCP
	8 VCP
	6 vcp
	8 vcp
	6 VCP
	8 vcp

12

6 clay

36 Clay

8

30  
35  
40  
30  
240  
240  
1960  
40  
1970  
40  
300

2  
10  
5

24

50

46

[illegible]

The Park Entrance station was notified of the spill at approximately 10:50 and notified the duty Ranger who notified the Se  
When spill was noticed/reported, parks personnel closed all facilities up stream of the discharge to stop the flow. Tahoe Ci  
The park entrance station was notified by a camper at approx 1315 that there was a metal lid in the roadway seeping water  
Blockage was rodded out by Tahoe City PUD vector truck and pipe was cleaned for approximately 400 feet in either direction

Crews arrived set spill booms and cleared grease blockage, once the main was cleared crews cleaned and mitigated curb

Mopped up manhole ring and cover-disinfected  
Unplugged pump, vacuumed up spill from street and disinfected the affected area.

BLEACH ALL INFECTED AREAS

District duty operator was first to notice and reacted immediately to isolate

Contracted Cora Construction Co. and installed a by pass.

8/7/2012 3:45  
10/26/2012 12:00  
11/25/2012 14:30  
11/5/2007 16:00  
2/10/2008 11:20

8/29/2008 16:00

11/18/2011 11:00

7/18/2011 16:30

1/21/2010 23:59

4/19/2010 12:36  
4/16/2013 4:00

10/24/2008 4:00

4/13/2013 18:00  
4/17/2009 14:00

Other (specify below)

Adjusted schedule/method of preventive maintenance

Other (specify below)

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Other (specify below)

Adjusted schedule/method of preventive maintenance

Other (specify below)

Repaired sewer

Added sewer to preventive maintenance program;Plan rehabilitation or replacement of sewer

Plan rehabilitation or replacement of sewer

Other (specify below)

Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

Repaired sewer

By passed the UPS. A new UPS has been order and will be installed ASAP. We are discussing with the Engineer that des

Troubleshoot pump station pump controls. Made proper adjustment and tested system to insure proper performance.  
Removed 12 wheelbarrels of rags, leafs, along with 2 mattresses. Sanitized all effected sites with 1 part bleach to 5 parts  
repair of pump station

flush city stormdrain with 2,000 gls. of water 1 part bleach for disinfection and vacuumed all the water at the low end of th

Cleaned sewer main line and will monitor the line to see if buildup continues

HIRED ELECTRICIAN TO REPAIR AND SERVICE WIRING AND CONTROL PANEL

Installed 18 by pass and four 12 pumps.  
Rental Company was notified of pending Regional Board review



No  
No  
No  
Yes  
Yes

Yes

No

No

No  
Yes  
No

No

No  
No

N/A

N/A

N/A

NA  
n/a  
NA

n/a  
n/a

N/A

na

No impact in the receiving waters due to the New river, came from Mexico, more polluted than the raw sewage of the City

No  
No  
No  
No  
No

No

No

No

No

No  
No

No

No  
No

N/A

N/A

N/A

NA

none  
NA  
storm channel

N/A

N/A

na  
NA

N/A

N/A

NA

N/A

N/A

N/A

NA  
none  
none  
none  
NA  
storm channel

N/A

None  
N/A

NONE  
N/A  
DID NOT REACH SURFACE WATER (NONE)  
N/A  
None.  
None  
N/A  
NONE

N/A

none  
New River

The New River  
None  
Did not reach surface water source  
n/a  
N/A  
N/A  
None  
NA

No water quality samples taken;Not applicable to this spill  
Not applicable to this spill  
Not applicable to this spill  
No water quality samples taken  
No water quality samples taken

No water quality samples taken;Not applicable to this spill

No water quality samples taken

Not applicable to this spill

No water quality samples taken

Not applicable to this spill  
No water quality samples taken

Not applicable to this spill

Not applicable to this spill  
No water quality samples taken;Not applicable to this spill

N/A

No water quality samples taken;Not applicable to this spill  
Not applicable to this spill  
Not applicable to this spill  
None of the above  
None of the above

None of the above

None of the above

None of the above

No water quality samples taken

No water quality samples taken  
None of the above

Not applicable to this spill

None of the above  
None of the above;No water quality samples taken;Not applicable to this spill



N/A

Gallons/Per Minute exiting manhole x's duration of stoppage  
 $Q = Cc \times V \times A = 1.0 \text{ GPM}$  Measurement of Volume of Ponded Area

104401	7/21/2010 14:00
104645	8/3/2010 17:15
133178	5/25/2013 9:55

124622	8/7/2012 5:09
126479	10/26/2012 12:00
127098	11/25/2012 15:25
76822	11/6/2007 7:42
81276	2/13/2008 9:00
86282	8/28/2008 12:43
86329	8/29/2008 13:52
86328	8/29/2008 13:55
96219	9/9/2009 14:48
116817	11/16/2011 0:00
116863	11/18/2011 10:30
127580	12/12/2012 7:53
77558	12/7/2007 7:12
81572	2/25/2008 10:29
81951	3/10/2008 12:03
83770	5/27/2008 9:40
86934	9/24/2008 13:30
	4/13/2010 13:51

100848	2/1/2010 10:52
102197	4/5/2010 15:29
112572	4/24/2011 3:00
113088	5/19/2011 7:28
87782	10/28/2008 5:00
93038	4/17/2009 11:25

John W. Bracken  
John W. Bracken

7604464631  
7604464631

James P. Baldwin

7609621517

7SSO10524	Active	755938 Eric Salazar	Certified
7SSO10524	Active	769520 Eric Salazar	Certified
7SSO10525	Active	730735 Randy Hines	Certified
7SSO10531	Active	749226 Terry Smith	Certified
7SSO10531	Active	759361 Terry Smith	Certified
7SSO10531	Active	759370 Terry Smith	Certified
7SSO10531	Active	784534 Terry Smith	Certified
7SSO10531	Active	789586 David Brownlee	Certified
7SSO10532	Active	790674 JAMES STRANG	Certified
7SSO10535	Active	707108 Mark Johnson	Certified
7SSO10535	Active	707649 Mark L. Johnson	Certified
7SSO10535	Active	708004 Mark L. Johnson	Certified
7SSO10535	Active	710556 Mark L. Johnson	Certified
7SSO10535	Active	712176 Mark L. Johnson	Certified
7SSO10535	Active	716482 Mark L. Johnson	Certified
7SSO10535	Active	716496 Mark L. Johnson	Certified
7SSO10535	Active	716514 Mark L. Johnson	Certified
7SSO10535	Active	717067 Mark L. Johnson	Certified
7SSO10535	Active	724332 Mark Johnson	Certified
7SSO10535	Active	724834 Mark L. Johnson	Certified
7SSO10535	Active	724976 Mark L. Johnson	Certified
7SSO10535	Active	725872 Mark L. Johnson	Certified
7SSO10535	Active	730137 Mark L. Johnson	Certified
7SSO10535	Active	730180 Mark L. Johnson	Certified
7SSO10535	Active	732111 Mark L. Johnson	Certified
7SSO10535	Active	732112 Mark L. Johnson	Certified
7SSO10535	Active	736154 Mark Johnson	Certified
7SSO10535	Active	745514 Mark L. Johnson	Certified
7SSO10535	Active	747001 Mark Johnson	Certified
7SSO10535	Active	747067 Mark L. Johnson	Certified
7SSO10535	Active	748186 Mark Johnson	Certified
7SSO10535	Active	748799 Mark L. Johnson	Certified
7SSO10535	Active	750191 Mark L. Johnson	Certified
7SSO10535	Active	751428 Steve Bigley	Certified
7SSO10535	Active	757183 Steve Bigley	Certified
7SSO10535	Active	757581 Mark L. Johnson	Certified
7SSO10535	Active	759959 Mark L. Johnson	Certified
7SSO10535	Active	760137 Mark L. Johnson	Certified
7SSO10535	Active	761365 Mark L. Johnson	Certified
7SSO10535	Active	762790 Mark L. Johnson	Certified
7SSO10535	Active	763476 Mark L. Johnson	Certified
7SSO10535	Active	763525 Mark L. Johnson	Certified
7SSO10535	Active	764076 Mark L. Johnson	Certified
7SSO10535	Active	766493 Mark L. Johnson	Certified
7SSO10535	Active	771906 Daniel Farris	Certified
7SSO10535	Active	773673 Daniel Farris	Certified
7SSO10535	Active	776821 Dan Farris	Certified
7SSO10535	Active	779575 Dan Farris	Certified
7SSO10535	Active	782656 Daniel Farris	Certified
7SSO10535	Active	784788 Dan Farris	Certified
7SSO10535	Active	788820 Dan Farris	Certified
7SSO10535	Active	789535 Daniel	Certified
7SSO10535	Active	791054 Dan Farris	Certified
7SSO10535	Active	792859 Daniel Farris	Certified
7SSO10535	Active	793649 Daniel Farris	Certified



SCSD	127631
SCSD Office	654021
El Centro, CA	581890
city of needles ca	586053
	8:00 512673
	8:45 906074
Needles WWTP	327428
City of Needles	652377
NILAND SANITARY DISTRICT	883299
Coachella CA	483371
Coachella, CA	666780
Coachella, CA	173483
Coachella, CA	472278
Coachella, CA	372121
Coachella, CA	909587
Coachella, CA	485544
Coachella, CA	607907
Coachella, CA	244090
Coachella, CA	331083
Coachella, CA	433670
Coachella, CA	152641
Coachella CA	658835
Coachella, CA	635113
Coachella, CA	387306
Coachella, CA	886364
Coachella, CA	575013
Coachella, CA	879938
Coachella, CA	810194
Coachella, CA	902957
Coachella, CA	617978
Coachella, CA	359158
Coachella, CA	653606
Coachella, CA	617456
Coachella, CA	123899
Coachella	662614
Coachella, CA	319568
Coachella, CA	941691
Coachella, CA	322030
Coachella, CA	155044
Coachella, CA	580250
Coachella, CA	890985
Coachella, CA	127993
Coachella, CA	626041
Coachella, CA	843130
Palm Desert, CA	444478
Palm Desert, CA	109367
Palm Desert, Ca	787974
Palm Desert Ca.	408610
Palm Desert California	339524
Palm Desert, CA	772442
Palm Desert, CA	276165
Palm Desert, Ca	656285
Palm Desert, CA	982211
Palm Desert, CA	127696
Palm Desert, CA	418553

10-Aug-10	8/10/2010	16-Aug-10	8/16/2010
5-Aug-11	8/5/2011	5-Aug-11	8/5/2011
18-Dec-08		18-Dec-08	12/18/2008
9-Feb-10		5-May-10	2/1/2011
14-Dec-10	12/14/2010	14-Dec-10	12/14/2010
14-Dec-10	12/14/2010	14-Dec-10	12/14/2010
2-Aug-12	8/2/2012	2-Aug-12	8/2/2012
2-Jan-13	1/2/2013	31-Jan-13	1/31/2013
22-Jan-13	2/5/2013	5-Feb-13	2/5/2013
2-Nov-07		15-Nov-07	9/5/2008
14-Nov-07		28-Nov-07	11/28/2007
21-Nov-07		28-Nov-07	11/28/2007
31-Dec-07		8-Jan-08	2/23/2011
1-Feb-08		28-Feb-08	2/28/2008
24-Apr-08		25-Apr-08	4/25/2008
24-Apr-08		25-Apr-08	4/25/2008
25-Apr-08		25-Apr-08	4/25/2008
7-May-08		16-May-08	5/16/2008
7-Aug-08		12-Aug-08	8/12/2008
18-Aug-08		21-Aug-08	8/21/2008
21-Aug-08		21-Aug-08	8/21/2008
5-Sep-08		16-Sep-08	9/16/2008
3-Dec-08		5-Dec-08	12/5/2008
3-Dec-08		5-Dec-08	12/5/2008
18-Jan-09		23-Jan-09	1/23/2009
18-Jan-09		23-Jan-09	1/23/2009
9-Apr-09		28-Apr-09	4/28/2009
8-Oct-09		12-Oct-09	10/12/2009
23-Nov-09		24-Nov-09	11/24/2009
25-Nov-09		25-Nov-09	11/25/2009
6-Jan-10		6-Jan-10	1/6/2010
25-Jan-10		26-Jan-10	1/26/2010
8-Mar-10		8-Mar-10	3/8/2010
8-Apr-10		20-Apr-10	4/20/2010
27-Sep-10	9/27/2010	28-Sep-10	9/28/2010
12-Oct-10	10/12/2010	14-Oct-10	10/14/2010
28-Dec-10	12/29/2010	4-Jan-11	1/4/2011
3-Jan-11	1/3/2011	6-Jan-11	1/6/2011
18-Jan-11	1/18/2011	22-Jan-11	1/22/2011
10-Feb-11	2/10/2011	10-Feb-11	2/10/2011
23-Feb-11	2/23/2011	25-Feb-11	2/25/2011
23-Feb-11	2/23/2011	25-Feb-11	2/25/2011
7-Mar-11	3/7/2011	16-Mar-11	3/16/2011
13-May-11	5/13/2011	20-May-11	5/20/2011
10-Oct-11	10/11/2011	11-Oct-11	10/11/2011
2-Dec-11	12/2/2011	2-Dec-11	12/2/2011
3-Feb-12	2/3/2012	3-Feb-12	2/3/2012
5-Apr-12	4/5/2012	5-Apr-12	4/5/2012
28-Jun-12	6/28/2012	28-Jun-12	6/28/2012
8-Aug-12	8/8/2012	8-Aug-12	8/8/2012
6-Dec-12	12/6/2012	6-Dec-12	12/6/2012
31-Dec-12	12/31/2012	31-Dec-12	12/31/2012
1-Feb-13	2/1/2013	1-Feb-13	2/1/2013
25-Mar-13	3/25/2013	25-Mar-13	3/25/2013
25-Apr-13	4/25/2013	25-Apr-13	4/25/2013



Category 2	7500	6500
Category 2	1500	0
Category 2	74800	74800
Category 3	500	0
Category 3	600	0
Category 2	1500	0
Category 2	30000	30000
Category 3	100	0
Category 1	12000	0
Category 2	2750	2000
Category 2	250000	190600
Category 3	100	100
Category 1	4000	2000
Category 3	970	
Category 3	15	0
Category 3	300	0
Category 3	900	0
Category 2	4000	3900
Category 2	11300	11000
Category 3	30	0
Category 3	800	0
Category 3	920	0
Category 1	5500	3000
Category 2	150000	146000
Category 3	300	0
Category 3	250	0
Category 3	500	500
Category 2	3884	3884
Category 3	600	0
Category 3	225	0
Category 3	300	300
Category 3	455	0
Category 2	1500	1200
Category 2	3700	0
Category 3	300	300
Category 1	300	0
Category 1	1240000	91200
Category 2	10800	0
Category 1	6000	500
Category 3	750	0
Category 1	400	200
Category 1	80	50
Category 3	475	475
Category 1	10600	4500
Category 3	900	0
Category 3	510	0
Category 3	225	0
Category 3	425	300
Category 1	350	300
Category 3	700	0
Category 3	500	500
Category 3	750	650
Category 3	250	200
Category 3	400	350
Category 3	35	20

0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
12000 Yes	No
0 No	No
0 No	No
No	No
2000 No	Yes
No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
2500 Yes	Yes
0 No	No
0 No	No
0 No	No
0 No	Yes
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
300 Yes	Yes
1240000 Yes	No
0 No	No
5500 Yes	Yes
0 No	No
200 Yes	No
30 Yes	No
0 No	No
10600 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No
50 Yes	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No
0 No	No

[illegible]

one half mile west of Highway 86 and Desert Shores Drive  
 Coolidge Springs Road at Desert Shores Drive  
 Lincoln/Waterman  
 west side Mobil  
 T St at Race St  
 behind hospital manhole #25  
 Bazoobuth  
 1004 Ice Plant Rd  
 125 W. ALCOTT RD. NILAND, CA 92257  
 Shifting Sands Trail and Ortega Road Cathedral City, Ca  
 Indio Blvd between Burr St. and Madison St  
 Via Toscana  
 Avenida Bermudas in La Quinta, CA  
 Avenue 54 & Madison Street  
 70-050 Highway 111, Rancho Mirage, CA  
 Lift station 55-13 located on South Valley Lane and Lions Gate in La Quinta, CA  
 72-800 Monterey Avenue, Palm Desert, CA  
 240 feet east of Burr Street on south side of Indio Boulevard in Indio, CA  
 Northwest of intersection of Madison Street and Avenue 42  
 At Madison Street, 400 feet south of Avenue 38, Indio, CA  
 Intersection of Shepherd Lane and Pele Place, Palm Desert, CA  
 240 feet east of Burr Street on south side of Indio Boulevard in Indio, CA  
 Washington Street, 100' south of Miles Avenue, La Quinta CA  
 Madison St, entrance to Legends CC, approx. 2,500' S of Ave 56 in La Quinta, CA  
 Bob Hope Drive and Avenida Las Palmas at Manhole # 20, Rancho Mirage, CA  
 Bob Hope Drive and Avenida Las Palmas at Manhole #20, Rancho Mirage, CA  
 Corporate Way and Avenue 42, Palm Desert, California  
 Renaissance Esmeralda Resort and Spa hotel bar area, Indian Wells, CA.  
 About 1,415 feet NW of intersection of Ramon Rd. and Bob Hope Dr, Palm Springs  
 Approx. 100 feet west of Monroe St. on north side of Avenue 58, La Quinta, CA.  
 68-630 Ortega Road, Cathedral City, CA. 92234  
 Via Pellegrino, Palm Desert, CA  
 North of Indio Blvd, approx. 1/4 mile east of Burr Street, Indio California  
 CVWD Palm Desert office building construction site  
 75-001 Vintage Drive, Indian Wells, CA 92210  
 Intersection of Fred Waring Drive and Alaska Street, Palm Desert, CA.  
 Coachella Valley Stormwater Channel (CVSC) at Jefferson St., La Quinta, CA.  
 Area (ground behind slope protection) N. of CVSC @ Jefferson St., LaQuinta, CA  
 Intersection of Washington Street and Miles Avenue, Indian Wells, CA 92210  
 91800 Avenue 66, Mecca California 92254  
 Ave. 50 and Madison St. on the N. W. side of the Coachella Canal, Indio, CA  
 Ave. 50 and Madison St. on the NW. side of the Coachella Canal, Indio, CA  
 Intersection of Blue River&Red River, The Lakes Country Club, Palm Desert CA 92260  
 Hyatt Grand Champions, 44-600 Indian Wells Lane, Indian Wells, CA 92210  
 Third Street west of Date Palm Street in Mecca Ca. 92254  
 Hwy 111 700' West of Washington Street  
 Air Vac on Jefferson St  
 Airport Blvd. 50' East of Polk Avenue  
 Manitou Dr. & Sioux Dr. Indian Wells Ca.  
 Retention Basin at Portola Ave and Dinah Shore Dr  
 Approx. 350 feet north of Hwy 111 & 1/4 East of A Street, Bombat Beach, Ca  
 Approx. 70 ft. south of Avenue 52 on East side of Van Buren Street  
 Ramon Road at Sky Blue Water Trail Cathedral City, Ca.  
 East Side of Pierce Street, North of Avenue 64  
 Madison Street Approx. 1,800 ft. North of Avenue 40

33.24255	-116.03027 Imperial
33.40514	-116.05048 Imperial
32.808056	115.574167 Imperial
34.850983	-117.624886 San Bernardino
34.84931	-114.62124 San Bernardino
34.83305	-114.61624 San Bernardino
34.835599	-114.597918 San Bernardino
34.825894	-114.595128 San Bernardino
33.22737	-115.5262 Imperial
33.805147	-116.472272 Riverside
33.740278	-116.254444 Riverside
33.730278	-116.337778 Riverside
33.668056	-116.303611 Riverside
33.657	-116.2515 Riverside
33.762564	-116.44116 Riverside
33.627864	-116.253306 Riverside
33.804904	-116.388892 Riverside
33.741244	-116.259644 Riverside
33.746903	-116.253631 Riverside
33.771903	-116.251728 Riverside
33.773068	-116.372872 Riverside
33.741244	-116.259644 Riverside
33.721416	-116.297678 Riverside
33.634895	-116.250547 Riverside
33.739615	116.408157 Riverside
33.739615	116.408157 Riverside
33.743386	-116.362326 Riverside
33.723617	-116.329169 Riverside
33.819506	-116.413339 Riverside
33.627522	-116.23365 Riverside
33.804986	-116.461267 Riverside
33.754772	-116.376678 Riverside
33.740761	-116.255806 Riverside
33.743508	-116.350308 Riverside
33.709789	-116.355889 Riverside
33.728981	-116.325714 Riverside
33.710422	-116.269256 Riverside
33.710969	-116.269119 Riverside
33.721711	-116.297811 Riverside
33.569272	-116.063211 Riverside
33.685478	-116.251667 Riverside
33.685472	-116.251647 Riverside
33.755208	-116.339269 Riverside
33.724756	-116.330133 Riverside
33.570833	-116.074722 Riverside
33.715833	-116.296667 Riverside
33.705556	-116.268889 Riverside
33.642217	-116.146303 Riverside
33.713453	-116.312772 Riverside
33.7951	-116.372009 Riverside
33.360833	-115.728889 Imperial
33.670556	-116.198889 Riverside
33.81583	-116.47 Riverside
33.584781	-116.112417 Riverside
33.762222	-116.251667 Riverside

[illegible]

Unoccupied field/desert

Behind Mobil station

Manhole in intersection of T and Race Street

In dirt about 300 feet east of the northeast corner of hospital  
containment basin between Broadway and railroad tracks

Street and Gutter at 1004 Ice Plant Rd

A break in our manhole caused 12000 gallons of raw influent to pour into the IID canal on the northside of Alcott Rd.

On Highway 111 700' West of Washington Street

Force main air vac

Overflow at manhole #1. Cleared stoppage between manhole #8 and manhole #1 on 8 sewer main adjacent to Deep Ca  
12 Gravity Sewer main south and adjacent to concrete lined storm channel and north of storm water retention basin

A bore pit in open desert area approx. 350 feet north of Highway

Edge of asphalt on east side of Van Buren St. between roadway and air-vac vault

Manhole structure on west bound lane on Ramon Road at Sky Blue Water Trail

Approximately 288' North of Avenue 64 on Pierce Street

Approximately 1,800' north of Avenue 40 on the west dirt shoulder of Madfison Street

nyon Storm Water Channel



Force main or pressure sewer  
Force main or pressure sewer  
Force main or pressure sewer  
Gravity sewer  
Gravity sewer;Manhole  
Gravity sewer;Manhole  
Pump station  
Gravity sewer;Manhole  
Manhole  
Manhole  
Force main or pressure sewer  
Manhole  
Manhole  
Other (specify)  
Other (specify)  
Other (specify)  
Manhole  
Other sewer system structure  
Other (specify)  
Other (specify)  
Manhole  
Other (specify)  
Other (specify)  
Other (specify)  
Manhole  
Manhole  
Manhole  
Other (specify)  
Manhole  
Other (specify)  
Manhole  
Manhole  
Force main or pressure sewer  
Gravity sewer;Manhole  
Other (specify)  
Manhole  
Gravity sewer  
Gravity sewer  
Force main or pressure sewer  
Manhole  
Other (specify)  
Force main or pressure sewer  
Manhole  
Other (specify)  
Gravity sewer  
Gravity sewer;Manhole  
Force main or pressure sewer  
Force main or pressure sewer  
Manhole  
Other (specify)  
Force main or pressure sewer  
Force main or pressure sewer  
Manhole  
Force main or pressure sewer  
Other (specify)

geotechnical contractor drilled through force main.  
over flow through 4 cleanout

A break in our manhole caused 12000 gallons of raw influent to pour into the IID canal on the northside of Alcott Rd.

3 PVC pressure line that serves air vac #17  
Restaurant grease trap  
Wet well at Lift Station 55-13

Air Vac  
At air vac.

Air vac pressure line in air vac vault  
Air vac vault  
Street surface

Floor drains located inside of hotel bar area

Air vac valve cover on street

Private facility gravity floor drain

18 inch saddle on force main

South bank of Whitewater River stormwater channel between 10th tee and clubhouse at Hyatt Grand Champions

Air vac

Exposed 12 gravity sewer

18 service saddle for air relief valve  
N/A

Sewr Force Main Air relief valve

Unpaved surface  
Unpaved surface  
Unpaved surface  
Other paved surface  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Street/curb and gutter  
Surface water  
Street/curb and gutter;Other (specify below)  
Other paved surface;Unpaved surface;Other (specify below)  
Street/curb and gutter;Other (specify below)  
Separate storm drain;Street/curb and gutter;Other (specify below)  
Street/curb and gutter;Other (specify below)  
Other (specify below)  
Unpaved surface;Other (specify below)  
Street/curb and gutter;Unpaved surface  
Unpaved surface  
Unpaved surface;Other (specify below)  
Unpaved surface;Other (specify below)  
Street/curb and gutter;Other (specify below)  
Unpaved surface;Other (specify below)  
Storm drain;Street/curb and gutter;Unpaved surface;Other (specify below)  
Street/curb and gutter;Unpaved surface;Other (specify below)  
Street/curb and gutter;Unpaved surface;Other (specify below)  
Street/curb and gutter;Unpaved surface;Other (specify below)  
Storm drain;Street/curb and gutter;Other (specify below)  
Other (specify below)  
Unpaved surface  
Other (specify below)  
Other (specify below)  
Unpaved surface;Other (specify below)  
Unpaved surface;Other (specify below)  
Unpaved surface;Other (specify below)  
Other (specify below)  
Other (specify below)  
Surface water;Other (specify below)  
Unpaved surface;Other (specify below)  
Unpaved surface;Other (specify below)  
Street/curb and gutter;Unpaved surface;Other (specify below)  
Surface water;Other (specify below)  
Surface water;Unpaved surface;Other (specify below)  
Other (specify below)  
Unpaved surface;Other (specify below)  
Other (specify below)  
Street/curb and gutter  
Unpaved surface  
Unpaved surface  
Unpaved surface  
Other (specify below)  
Other (specify below)  
Unpaved surface;Other (specify below)  
Street/curb and gutter  
Unpaved surface;Other (specify below)  
Other (specify below)

spill contained on city property  
parking lot of mobil gas station

#### Imperial Irrigation District Canal

Picked up with Vactor truck and returned to the sewer system

Picked up with vactor trucks and returned to the sewer system.

The spill was contained in a low area in the street.

2,000 gallons of the overflow recovered and returned to sewer system; the remaining 2,000 gallons flowed into the storm gutter drain retention basin, constructed golf course water impoundment

Spill went back into grease trap after stoppage cleared.

Once lift station was back in service, spill drained back into wet well from grassy area.

Majority of spill was vacuumed with pumper truck and discharged back into CVWD sewer system.

Spill was vacuumed with Vactor truck and discharged back into CVWD sewer system.

Spill vacuumed with Vactor truck during response and discharged back into CVWD sewer collection system.

Overflow was recovered with vactor truck and returned to sewer system.

3,000 gallons recovered by vactor truck and returned to sewer system. 2,500 gallons entered storm drain and flowed on I

Flow entered street gutter, golf course detention basin, fairway and water impoundment.

Captured 250 gallons by Vactor truck and returned back to sewer. The other 50 gallons percolated into the ground surface

Captured 200 gallons by Vactor truck and returned to sewer system. The other 50 gallons percolated into the ground surf

Approximately 200 gallons returned to sewer system. Approximately 300 gallons recovered from catch basin. We are ur

Sewer spill returned to sewer system through floor drains in hotel bar area.

Spill cleaned up and vacuumed with vactor truck and returned to sewer system.

Vacuumed spill on street curb and gutter and catch basin on Dinah Shore Drive with vactor truck and discharged back int

Vacuumed 400 gallons of spill around manhole area, unpaved street, and catch basin on Via Pellegrino with Vactor truck

Vacuumed approximately 1200 gallons of spill with Vactor truck. Vactor truck contents deposited at water reclamation pl

Percolated into soil around gravity sewer/manhole and an empty wastewater infiltration pond (pond 9 east) at CVWD Wal

Overflow water was diverted back into the floor drains where it came out of within the private facility golf cart maintenanc

Overflow entered storm drain along curb and gutter on the south side of Fred Waring Drive that leads to a storm water ch

Percolation within the unlined portion of the Coachella Valley Stormwater Channel

Sewage soaked into the ground below the broken pipe and was not observed above the ground surface.

Overflow percolated into soil in the unlined Whitewater River stormwater channel where no receiving water was present.

Overflow and wash down water were recovered in dirt area past dirt street curb and gutter with Vactor truck and returned

A portion of the overflow was recovered and returned to the sewer collection system. Another portion was not recovered

A portion of the overflow was recovered and returned to the sewer collection system. Another portion of the overflow was

Vacuumed 175 gallons at County Club Dr. along curb and gutter with vactor truck. Some flow entered a storm drain lead

The affected area of the storm channel includes irrigated turfed areas associated with the golf resort. The storm channel

Return to sanitary sewer system

#### Retention Basin for storm water runoff

Spill was recovered by vactor truck and returned to sanitary sewer

Spill was recovered by vactor truck and returned to sanitary sewer system

About 200 gallons of spill was recovered along with 50 gallons of rinse water by vactor truck and returned to sanitary sew

Approximately 350 gallons was recovered by Vactor Truck

Approximately 20 gallons was recovered using vacuum truck and returned to the sanitary sewer. The remaining 15 gallon

11/2/2009 9:00	11/2/2009 9:00	11/2/2009 9:12	11/2/2009 12:00
8/4/2011 6:00	8/4/2011 6:28	8/4/2011 6:35	8/4/2011 6:28
12/9/2008 12:10	12/9/2008 12:15	12/9/2008 12:30	12/9/2008 13:15
2/5/2010 11:15	2/5/2010 11:24	2/5/2010 12:00	2/5/2010 12:30
1/12/2008 8:00	1/12/2008 8:20	1/12/2008 8:30	1/12/2008 10:00
9/11/2009 7:00	9/11/2009 7:15	9/11/2009 7:20	9/11/2009 8:15
6/26/2012 0:01	6/26/2012 5:45	6/26/2012 5:45	6/26/2012 6:30
1/2/2013 7:00	1/2/2013 7:15	1/2/2013 7:25	1/2/2013 7:55
1/19/2013 12:00	1/19/2013 12:00	1/19/2013 12:00	1/19/2013 16:00
10/31/2007 7:00	10/31/2007 7:00	10/31/2007 7:30	10/31/2007 8:00
11/13/2007 6:00	11/13/2007 6:45	11/13/2007 7:00	11/13/2007 11:00
11/20/2007 15:40	11/20/2007 15:40	11/20/2007 15:50	11/20/2007 15:50
12/30/2007 8:45	12/30/2007 9:00	12/30/2007 9:30	12/30/2007 10:30
1/30/2008 10:30	1/30/2008 10:30	1/30/2008 10:50	1/30/2008 11:30
3/27/2008 21:30	3/27/2008 22:45	3/27/2008 23:45	3/28/2008 1:00
4/7/2008 19:15	4/7/2008 19:44	4/7/2008 20:00	4/7/2008 20:05
4/20/2008 15:50	4/20/2008 15:50	4/20/2008 16:34	4/20/2008 17:20
5/3/2008 8:24	5/3/2008 8:24	5/3/2008 8:50	5/3/2008 8:50
8/4/2008 9:35	8/4/2008 9:35	8/4/2008 9:50	8/4/2008 10:00
8/4/2008 10:25	8/4/2008 10:48	8/4/2008 10:48	8/4/2008 10:55
7/20/2008 12:50	7/20/2008 13:00	7/20/2008 13:20	7/20/2008 16:10
9/1/2008 14:30	9/1/2008 14:30	9/1/2008 14:30	9/1/2008 15:00
11/27/2008 12:10	11/27/2008 12:10	11/27/2008 12:15	11/27/2008 12:45
11/27/2008 11:46	11/27/2008 11:46	11/27/2008 12:46	11/27/2008 14:30
12/5/2008 7:55	12/5/2008 7:55	12/5/2008 8:20	12/5/2008 8:20
12/6/2008 13:00	12/6/2008 13:00	12/6/2008 13:25	12/6/2008 13:35
4/6/2009 21:58	4/6/2009 21:58	4/6/2009 22:35	4/6/2009 22:50
10/5/2009 18:00	10/5/2009 20:54	10/5/2009 21:25	10/5/2009 22:10
10/14/2009 11:10	10/14/2009 11:20	10/14/2009 11:20	10/14/2009 11:20
10/22/2009 14:45	10/22/2009 14:45	10/22/2009 15:00	10/22/2009 16:30
12/12/2009 11:56	12/12/2009 11:56	12/12/2009 12:40	12/12/2009 12:50
12/30/2009 11:47	12/30/2009 11:47	12/30/2009 12:15	12/30/2009 13:45
3/3/2010 13:30	3/3/2010 13:53	3/3/2010 14:15	3/3/2010 20:30
4/6/2010 18:17	4/6/2010 18:17	4/6/2010 18:40	4/6/2010 19:30
8/18/2010 21:30	8/18/2010 21:30	8/18/2010 21:50	8/18/2010 23:05
10/8/2010 12:30	10/8/2010 12:30	10/8/2010 13:00	10/8/2010 13:30
12/23/2010 12:00	12/27/2010 12:00	12/27/2010 12:30	12/28/2010 3:30
12/28/2010 22:00	12/29/2010 13:30	12/29/2010 13:30	12/29/2010 18:00
1/17/2011 12:45	1/17/2011 12:45	1/17/2011 13:00	1/17/2011 13:15
2/6/2011 12:45	2/6/2011 13:00	2/6/2011 13:25	2/6/2011 14:30
2/19/2011 16:30	2/19/2011 16:30	2/19/2011 16:52	2/19/2011 17:53
2/22/2011 13:05	2/22/2011 13:05	2/22/2011 13:05	2/22/2011 17:00
2/25/2011 19:40	2/25/2011 19:40	2/25/2011 20:05	2/25/2011 21:15
5/11/2011 7:09	5/11/2011 7:09	5/11/2011 7:30	5/11/2011 9:30
9/12/2011 21:17	9/12/2011 21:17	9/12/2011 21:40	9/12/2011 22:45
11/28/2011 20:30	11/28/2011 21:00	11/28/2011 21:13	11/28/2011 22:12
1/30/2012 12:30	1/30/2012 12:30	1/30/2012 12:45	1/30/2012 13:15
3/30/2012 20:45	3/30/2012 21:00	3/30/2012 21:40	3/30/2012 21:40
6/25/2012 10:00	6/25/2012 10:30	6/25/2012 10:30	6/25/2012 11:22
7/31/2012 16:00	7/31/2012 16:00	7/31/2012 16:25	7/31/2012 16:45
12/3/2012 15:00	12/3/2012 15:00	12/3/2012 16:30	12/3/2012 16:30
12/27/2012 13:00	12/27/2012 13:30	12/27/2012 13:45	12/27/2012 14:30
1/24/2013 8:05	1/24/2013 8:05	1/24/2013 8:45	1/24/2013 9:00
3/20/2013 11:00	3/20/2013 11:15	3/20/2013 11:30	3/20/2013 14:00
4/20/2013 20:45	4/20/2013 21:00	4/20/2013 21:30	4/20/2013 21:40

Pump station failure  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Debri-General  
Debri-General  
Pump station failure  
Grease deposition (FOG)  
Other (specify below)  
Vandalism  
Pipe structural problem/failure  
Pump station failure  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Pump station failure  
Other (specify below)  
Grease deposition (FOG)  
Vandalism  
Other (specify below)  
Vandalism  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Debri-General  
Debri-General  
Grease deposition (FOG)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Grease deposition (FOG)  
Debri-General  
Pipe structural problem/failure  
Other (specify below)  
Grease deposition (FOG)  
Grease deposition (FOG)  
Other (specify below)  
Other (specify below)  
Other (specify below)  
Pipe structural problem/failure  
Other (specify below)  
Other (specify below)  
Root intrusion  
Other (specify below)  
Debri-General  
Debri-General  
Other (specify below)  
Debri-General  
Grease deposition (FOG)  
Other (specify below)  
Other (specify below)  
Pipe structural problem/failure  
Grease deposition (FOG)  
Other (specify below)  
Other (specify below)

Pressure line rupture  
geotechnical contractor drilled through force main.  
Pipe damaged during adjacent property construction

A section of the concrete flooring of the manhole ruptured/broke when roter roter company was hydro-jetting the system

Debris and grease  
Contractor for a construction company hit and broke the 3 pressure line that serves air vac #17.  
Grease blockage in sewer main

Debris and grease

4 plug valve at air vac had hair line crack at bottom side of valve. Cause unknown.

Blow off separated from bend and ball valve creating leak from air vac vault.  
Broken 2 male adaptor below air vac inside of vault  
8 inch metal check valve flange rusted and came apart.

Grease blockage in 12 inch V.C.P. sewer main backed up into floor drains in hotel bar area.  
Sewer main was plugged upstream of manhole where work was being performed to keep manhole dry. Sewage backed u  
Broken 2 inch PVC coupling on air vac line off of 18 inch force main

Gravity sewer pipe crushed by contractor earth moving equipment working on CVWD office building construction site

One 15-inch gravity sewer pipe and one 18-inch gravity sewer pipe damaged from 8 feet to 10 feet cutting erosion cause  
Gravity 15 inch pipe was found to be damaged during video inspection of other repair on the same pipeline.  
A section of 18 inch ductile iron spool failed.

Leaking 18 inch saddle for the air vac pressure release on the 18 inch force main  
Eighteen (18) inch force main leaking inside of steel casing next to Coachella Canal.

Broken 2 inch pvc schedule 80 male adaptor on air vac attached to tapping sleeve on sewer force main

Debris caught in air vac

Storm water flows went over spillway from channel to retention basin, eroded spilway and exposed main which spilled into  
Excavator hit force main when excavating boring pit

N/A  
Failed Gasket between bell and spigot of C-905 18 sewer force main.  
Debris found between sealing plug seat and sealing plug needle in air relief valve.

Main  
Other (specify below)  
Main  
Main  
Main  
Other (specify below)  
Main  
Other (specify below)

Main

Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Main  
Other (specify below)  
Main  
Main  
Other (specify below)  
Main  
Main  
Main  
Other (specify below)  
Main  
Main  
Other (specify below)



force main

Pipe was crushed behind the Shell gas station when a leach field was installed

Lift Station failure. Float and alarm failure

Manhole flooring

2 inch pvc schedule 80 male adaptor attached to 12 inch tapping sleeve for air vac on sewer force main

Air Vac

18 service saddle for air relief valve

N/A

At the air relief valve.

8 clay

8 Plastic  
10 PVC

8 Clay

12 VCP  
6 AC  
2 SS  
8 VCP  
2 PVC

50

20

50

40

16

20

20



jettied line to restore flow then dug up to find cause and repaired line

Completely stopped spill by placing a redwood plug on the end of the problem pipe coming out of the manhole and placed

Not required for Category 2 SSOs as per Board Order No. 2006-0003-DWQ

Replaced valve.

Sewage percolated prior to recovery; exposed and plugged crushed 12-inch gravity sewer, by-passed sewage around plug

Contained observed spill in dry portion of channel to prevent downgradient migration; recovered ponded wastewater using  
Isolated damaged area of the 15 inch pipe with inflatable plugs, set up by-pass pumping equipment to by-pass flows around  
Diverted flows away from the damaged pipe, excavated area of leak, replaced all ductile iron fittings, restored flows through  
Set up by-pass equipment to divert flows around problem area and made repairs to broken 8 inch gravity sewer main. Spill  
Exposed 18 inch saddle on the force main and tightened nuts on saddle to stop the leak. Sewage water recovered with vacuum  
Sewage water recovered with vacuum truck vacuum was returned to sewer system. Valves to this main have been closed  
Sewer main was videoed and found roots infiltrating pipe causing blockage. A portion of roots was removed to clear blockage  
Repaired 2 inch pvc leading to air vacuum.

Disassembled and repaired air vacuum

N/A  
N/A  
N/A  
N/A

11/2/2008 12:00  
8/4/2011 0:00  
12/10/2008 12:00

9/11/2009 9:00  
6/26/2012 18:00

1/19/2013 16:00  
10/31/2007 0:00  
11/27/2007 0:00

1/11/2008 0:00

5/3/2008 13:00  
8/5/2008 14:30

12/1/2008 15:30  
11/28/2008 3:30

4/7/2009 12:00  
10/5/2009 22:30

3/3/2010 22:30  
4/6/2010 21:53

10/8/2010 13:54  
12/29/2010 12:00  
1/4/2011 18:00  
1/18/2011 20:00

2/19/2011 17:53  
2/22/2011 17:00

5/12/2011 11:00

6/26/2012 21:40

Repaired sewer  
Repaired sewer  
Repaired sewer

Adjusted schedule/method of preventive maintenance  
Other (specify below)

Plan rehabilitation or replacement of sewer  
Adjusted schedule/method of preventive maintenance  
Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance  
Repaired sewer;Other (specify below)

Repaired sewer;Other (specify below)  
Repaired sewer

Adjusted schedule/method of preventive maintenance  
Other (specify below)

Repaired sewer  
Repaired sewer;Other (specify below)

Adjusted schedule/method of preventive maintenance  
Repaired sewer;Other (specify below)  
Repaired sewer;Other (specify below)  
Repaired sewer

Other (specify below)  
Other (specify below)

Repaired sewer;Other (specify below)

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Changed Alarm dialer and all floats

We are in the process of replacing the manhole with a new manhole and also new pipe surrounding it.

We will inspect other valves of this type (4 plastic) in the system to prevent this type of problem. Replace broken 4 plas

Video inspection of sewer line to be completed in order to determine if the sewer line needs to be put on a sewer prevent:

Modified Lids To Prevent Theft

Replaced rusted 2 galvanized steel male adaptor with schedule 80 PVC male adaptor.

Investigating FOG source for possible enforcement action.

Reminded the contractor about the location of the existing gravity sewer and the need to avoid activities that would dama

Installed grade control structure, complete with toe-down, to prevent cutting erosion and protect sewer lines within the Co.  
Contracted construction company made repairs to the damaged pipeline while by-passing flows around damaged pipe are

Continue inspection of air release unit at regular schedule intervals.  
Sewer main being repaired.

We have a scheduled preventive maintenance program in place. The break was just off the tapping sleeve attached to th



No  
No  
No

No  
No

Yes  
Yes  
Yes

No

No  
No

No  
No

No  
Yes

No  
No

No  
No  
No  
No

No  
No

No

No

All of the raw influent dissolved into the receiving water in the canal.

N/A  
N/A  
N/A  
N/A

No  
No  
No

No  
No

No  
No  
Yes

No

No  
No

No  
Yes

No  
Yes

No  
No

No  
Yes  
No  
No

No  
No

No

Yes

Na

n/a

Possibly the Salton Sea.

NA

NA

NA

NA

N/A

NA

NA

NA

NA

NA

NA

N/A

N/A

N/A

N/A

na  
NA  
n/a  
none

none  
None

IID canal  
NA  
NA

NA

NA  
N/A

Coachella Valley Stormwater Channel - dry reach of drainage channel  
NA

NA  
NA

NA  
NA  
None.  
Whitewater River Storm Water Channel  
Coachella Valley Stormwater Channel  
None.  
Whitewater River stormwater channel  
None.  
Coachella Canal  
Coachella Canal  
Not applicable.  
Whitewater River stormwater channel  
Not applicable  
None  
None  
none  
Deep Canyon Storm Channel (Dry)  
N/A  
N/A  
N/A  
N/A  
N/A

No water quality samples taken;Not applicable to this spill  
Not applicable to this spill  
Not applicable to this spill

Not applicable to this spill  
Not applicable to this spill

No water quality samples taken  
No water quality samples taken  
No water quality samples taken

No water quality samples taken

No water quality samples taken  
Not applicable to this spill

No water quality samples taken  
Biological indicator(s) - specify below

No water quality samples taken  
No water quality samples taken

No water quality samples taken  
No water quality samples taken

No water quality samples taken  
No water quality samples taken  
No water quality samples taken  
No water quality samples taken

Biological indicator(s) - specify below  
Biological indicator(s) - specify below

No water quality samples taken

Not applicable to this spill

E. coli

Total Coliform and E. coli  
Total Coliform and E. coli

None of the above;No water quality samples taken;Not applicable to this spill  
No water quality samples taken  
None of the above

Not applicable to this spill  
Not applicable to this spill

No water quality samples taken  
No water quality samples taken  
No water quality samples taken

No water quality samples taken

No water quality samples taken  
Not applicable to this spill

No water quality samples taken  
None of the above

No water quality samples taken  
No water quality samples taken

No water quality samples taken  
No water quality samples taken

No water quality samples taken  
No water quality samples taken  
No water quality samples taken  
No water quality samples taken

Regional Water Quality Control Board  
Regional Water Quality Control Board

No water quality samples taken

None of the above



Water quality sample results will be provided to regulatory agency when available.

Results included in regulatory report to the Regional Water Quality Control Board.  
Results included in regulatory report to the Regional Water Quality Control Board.



97364	11/2/2008 11:00
114613	8/4/2011 7:23
88792	12/9/2008 16:15
101055	2/10/2010 14:00

96257	9/11/2009 10:00
123728	6/27/2012 6:00
130014	1/2/2013 9:36
130479	1/30/2013 18:00
76708	10/31/2007 14:40
77000	11/13/2007 14:30
78006	12/30/2007 14:05

83224	5/3/2008 13:03
85654	8/4/2008 15:24

88501	11/27/2008 13:52
88500	11/27/2008 13:45

92795	4/6/2009 23:40
96734	10/5/2009 21:58

101550	3/4/2010 9:22
102216	4/6/2010 20:15

106083	10/8/2010 14:08
107887	12/27/2010 13:15
107963	12/29/2010 15:30
110311	1/17/2011 14:40

111034	2/19/2011 18:05
111087	2/22/2011 14:59

112899	5/11/2011 8:42
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